

**WORLD BLACKFLIES (DIPTERA: SIMULIIDAE): A
COMPREHENSIVE REVISION OF THE TAXONOMIC AND
GEOGRAPHICAL INVENTORY [2009]**

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Introduction to the 2009 Revision

The present revision of the Inventory of the world's Simuliidae continues our intent to provide yearly, fully updated electronic revisions of the World Inventory, which originally was issued in paper format by Crosskey (1988). The current revision, thus, includes all information known to us to have been published before 1 January 2009. The purpose and format of this inventory remains the same as for previous revisions.

Because each yearly update replaces previous web revisions, we begin with this revision, to retain the introductions to previous web-based revisions. The Introduction to the 2008 revision, therefore, can be found at the end of the current year's Introduction but before the References, which include literature from all revisions, beginning with 2008. We also have retained all nomenclatural changes (e.g., new combinations and new synonyms) and all notes from previous web revisions, beginning with 2008. These past changes and notes are summarized at the end of the "Notes for the current (2009) inventory".

In this most recent revision of the Inventory, a total of 2072 formally named species (2060 living and 12 fossil) are listed as valid (Table 1), representing a net gain of 45 valid species since the 2008 inventory revision. Of the 26 valid extant genera, the genus *Simulium* includes just over 80% of the species. Twelve of the extant genera contain four or fewer extant species, and in time, might be shown to nest within other genera, requiring that their names be synonymized.

Although the number of simuliid species being described continues to increase, we are concerned about the growing number of unavailable names. In particular, failure to designate a type specimen and to name its depository when describing a new species renders the name unavailable, according to Articles 16.4.1 and 16.4.2 in the current (fourth) edition of the *International Code of Zoological Nomenclature*, published in 1999 and effective from 1 January 2000. Additionally, new species continue to be described using existing names in the same genus, resulting in primary homonyms and rendering the most recent (junior) names invalid.

Explanatory information on the Inventory text

The explanatory information detailed here is drawn verbatim from the 2004 inventory of Crosskey & Howard, except where modified to reflect changes in our approach and updates to the current inventory revision.

(1) Taxonomic information

Scope

The Inventory covers nominal taxa of blackflies known to us to have been described before 1 January 2009. Fossil taxa are included if they are unequivocally Simuliidae, and their palaeontological status is highlighted by enclosure of the entries in square brackets; the geological period is included as part of the provenance data. The following fossils that have been associated with the Simuliidae are excluded on grounds that their assignment to the family is clearly erroneous: *Liauningius robustus* (Hong, 1982) (Chironomidae), *Mesasimulium lahaigouense* Zhang, 1986 (family uncertain), *Pseudosimulium humidum* (Westwood in Brodie, 1845) (Rhagionidae), *Simulia pasithea* Heyden, 1870 (? Ceratopogonidae), *Simulia terribilis* Förster, 1891 (? Ceratopogonidae), *Simulidium priscum* Westwood, 1854 (Rhagionidae), *Simulium* ? *ventricum* Lin, Yao, Xiang & Xia, 1988 (family uncertain). Taxa designated in the literature informally, e.g. by letters, numbers, place names, chromosomal diagnostic features, etc., are recorded and are entered where appropriate in the text in light of present knowledge. However, the simuliid literature is enormous and we do not guarantee that every informal handle for a taxon has been unearthed. The literature is replete with cases where unidentifiable specimens have been given no particular handle and simply referred to as 'sp.' (e.g. '*Simulium* sp.'). We have not attempted to record these or guess at the identities of species to which they might refer when there is no other information.

Subspecies and complexes

The subspecies category has not been widely used in the Simuliidae and when it has, the concept has usually borne little relation to the 'Mayrian' geographically based concept of a subspecies. Its main use has been in various works on the Palearctic fauna by I.A. Rubtsov and summarised in Rubtsov & Yankovsky (1988). However, Yankovsky (1995) has since ceased to recognise these Rubtsovian subspecies as having separate validity and has disposed of most of them as straight synonyms. In the Inventory we list no subspecies as such but indicate where names are still sometimes applied to subspecies by a few authors in contemporary

literature by suffixing the names with '(ssp.)' where they are listed in the appropriate species entry. It is now long established that some apparently single species (morphospecies) are complexes of biologically separate sibling species, these usually defined on chromosomal criteria and conveniently called cytospecies. Where a morphospecies is known to be such an aggregate of sibling species the suffix '(complex)' has been given immediately following the valid species/author/date statement. In many such complexes the precise status of the constituents is often undetermined (i.e. they are not necessarily always of definite specific status) and they still lack formal scientific nomenclature. To deal with this situation we have suffixed each such name based on chromosomal characterisation with the inert term '(cytoform)': this is to be read as a non-committal umbrella for entities both of undetermined status (cytotypes) and of more or less completely definite sibling status (cytospecies). The equivalents 'molecular form' and 'morphoform' have been used for entities based, respectively, on gene sequences and hard-parts morphology but still only informally named.

Inventory format

Scientific (Latinised) names entering into formal nomenclature are ranged to the left-hand margin if valid, but indented if they are synonyms. Valid names are alphabetical but synonyms are in chronological order to show their relative priorities. Vernacular 'names' are similarly ranged left, if on current knowledge, they could pertain to valid species but are indented if they are synonyms. Vernacularly named entities are listed chronologically (alphabetically within year) at the end of the appropriate entry, after the scientific names. Occasionally, when cyto-, molecular, or morphoforms have been more finely divided, the subdivisions are indented under the more inclusive form. For example, 'Kibwezi' is a cytoform of *S. damnosum*, which has been subdivided into two cytoforms, 'Kibwezi A1' and 'Kibwezi A2'. Similarly, when one form is known to be equivalent to another form, it is indented. For example, the 'Cypress Hills' cytoform is considered equivalent to cytoform 'AF', which in turn is a subdivision of cytoform 'X' within *S. craigi*. Taxonomic rank and validity or invalidity of names are distinguished by lettering style: generic and subgeneric names are in capitals (bold type when valid and lightface italics when synonyms), and specific names in lower case letters (bold type when valid and lightface italics when synonyms). In species-group headings, the specific name is highlighted by the use of capitals, e.g. 'ORNATUM species-group'. In the very rare situation where a species appears to be 'good' but its name is at present technically invalid, that name is ranged left and printed in lightface italics to show that it cannot be validly used; see below under '*Homonyms*' where such cases refer to specific names that are unreplaced homonyms.

Nomenclature

Spellings, authorship, dating, availability status, and other relevant aspects accord with the requirements of the current (fourth) edition of the *International Code of Zoological Nomenclature* published in 1999 and effective from 1 January 2000. It is noted particularly that, in accordance with articles 31.2 and 34.2, the spellings of specific names conform to the gender of the generic names with which they are combined; the gender of the subgenus (if any) is not relevant.

Nomenclatural annotations. Appropriate annotations are given when necessary, for instance when a name as published is unavailable (e.g. a *nomen nudum* or proposed for a variety or form after 1960) or was published as a replacement name for a preoccupied (junior) homonym, or the name has the technical status of an incorrect original or incorrect subsequent spelling. Where a name has been the subject of an official Opinion of the International Commission on Zoological Nomenclature, the Opinion number is given accompanied where relevant by the word 'List' or 'Index', the former referring to the Official List of Specific Names in Zoology and the latter to the Official Index of Rejected and Invalid Names in Zoology. (There is one instance of 'Gen. List' (i.e. *Cnetha*), this referring to the Official List of Generic Names in Zoology.)

Homonyms. It is necessary to call attention to a terminological change for names used to replace preoccupied names (homonyms). When the 1997 Inventory was published, these names, following the provisions of the then current 3rd edition of the *International Code of Zoological Nomenclature*, were termed 'replacement names' or (if not in fact needed) 'unjustified replacement names'. Regrettably, a wholly unnecessary change was made in the 4th edition of the *Code* whereby replacement names (unless being published for the first time) are called 'substitute names' and those already made but not required are called 'unnecessary substitute names'. The appropriate change has been made in order to conform to the current *Code*, and the abbreviation 'subst.' will be found in place of 'repl.'.

Type species. The type species is shown that applies for each generic and subgeneric name (whether valid or in synonymy) and its mode of fixation stated. The authors of names of the type species are omitted since these are provided in the appropriate species entry. If the nominal type species is not now valid the present senior synonym is shown in addition, e.g. '*HELLICHIA* Enderlein, 1925 (as genus). Type species: *macropyga*, as *latifrons*' indicates that *latifrons* was the cited type species when *Hellichia* was established but is now a junior synonym of *macropyga*.

Changed combinations. The author's name and year date of description are enclosed in parentheses (round brackets) whenever the species concerned is no longer in its original genus, i.e. when the current binomen (combination) differs from that of the original publication. This is to accord with *Code* Article 51.3. A point worth stressing here, since errors are still occurring in the simuliid literature, is that transfer of a species from one *subgenus* to another without change of generic assignment does not constitute a new combination in the meaning of the *Code*.

Dates. The year date applicable to a zoological name is that on which the publication containing it was issued (distributed). This

date usually agrees with that stated on or in the publication, but in some cases the date is later than (or even precedes) the stated date on the title page of the book or periodical part. When the actual date of issue can be found somewhere inside the publication (or in a list of issue dates specifically provided) but differs from the nominal date, the two dates are given in the form '1934 [1933]'; when the actual date of issue has been determined from outside the publication (e.g. from information provided by a publisher) the two dates are given in the form '[1988] [1987]'. In both cases the first date given is the correct one under the *Code* and should be cited for the taxon concerned. See *Code* recommendation 22A.2.3 relating to mode of citation.

Specific names involving '-cola'. There are several of these in the Simuliidae and there has been confusion concerning them. The suffix '-cola' is a noun in classical Latin (e.g. see Stearn, 1995) but the New Latin adjectival derivatives '-colus' (masculine), '-cola' (feminine) and '-colum' (neuter) have a long pedigree in zoology and their use in nomenclature has never been prohibited by the International Commission on Zoological Nomenclature. The spelling is not subject to alteration where it was clearly originally used as a noun, e.g. *Simulium monticola* Friederichs (mountain-dweller, use of -cola with neuter generic name) but is subject to gender change when used as an adjective, e.g. *Eusimulium alticolum* Dyar & Shannon (dwelling high, spelling showing use as adjective in combination with neuter generic name). Thus in the latter case, the original spelling *alticolum* is subject to mandatory change to *alticola* when combined with *Cnephia*, *Mayacnephia* or *Tlalocomyia* (all feminine). See also Brown (1956: 48).

Varieties and forms described after 1960. Under the *International Code of Zoological Nomenclature* (Articles 15.2 and 45.6.3), a name published for a 'variety' or 'form' after 1960 has no status in zoological nomenclature. It lies outside the provisions of the *Code*, is unavailable, and thus not a nominal taxon based upon type specimens. Such a name can become available by the action of the original author or some other later author if the entity is later treated as a subspecies or species (when it would enter into the purview of the *Code*). Not all authors publishing on Simuliidae since 1960 have noticed or observed this aspect of the *Code* and there are some names to be accounted for that come into this category. These are suitably annotated in the text. Fourteen of the names concerned (the majority) were published by Rubtsov for 'varieties' in 1962-1964 but only two of these have subsequently been made available. The others remain unavailable, though Yankovsky (1995) has listed them as if they are available nominal taxa and has cited for them 'holotypes' or 'lectotypes'. In fact, since the names are still unavailable (and likely to remain so) these putative primary types have no status as types. Rubtsov & Yankovsky (1988) listed the 'var.' names concerned as trinomials but did not state that they intended by this to 'promote' the entities to subspecies rank and Yankovsky (1995) has since disregarded the varietal names as mere synonyms of the species names concerned. The listing in trinomial form by Rubtsov & Yankovsky (1988) therefore did not confer availability upon them.

Incorrect original and subsequent spellings. The simuliid literature is littered with incorrect spellings of taxon names. The intended names of most misspellings are obvious (e.g., *latimurco* for *latimucro*), but some are so corrupted that their intention has been lost (e.g. *aweia* for *aureum*, *squina* for *equinum*). Because of the electronic search capability afforded by the current inventory revision, we believe there is utility in listing all incorrect original and subsequent spellings that we discovered in the primary literature, allowing the user to check the accuracy or intent of spelling variants in the literature against the correct spellings. However, we have by no means captured all incorrect spellings, and to attempt to do so, we feel, would be an exercise in misplaced scholarship. Incorrect spellings are listed alphabetically after vernacular names and before misidentifications. We have presented only a few misspellings of taxon names above the species, these being restricted to those of some importance.

Misidentifications

The history of simuliid taxonomy is marked by an enormous amount of misidentification, not because of the incompetence of its practitioners but because of the extraordinary similarity of many species, especially when their early stages are still unknown – and sometimes even when they are known. Much of this was long ago and it would be unrealistic and pointless (even if it was practicable) to attempt to capture every instance which bedevils the literature. Some misidentifications, however, have been serious and/or long persistent and still have some continuing potential for misunderstanding. We have entered misidentifications, even if quite old, when their entry appears to us warranted in the interests of clarification. The included misidentifications are enclosed in square brackets and are given in the general form '[*hirtipes*: authors, not Meigen]' when the error occurs rather generally in the literature but in the more precise form '[*exiguum*: Dalmat, 1955, not Roubaud]' when the error pertains to, or originated in, an influential work of a certain date by a particular author; if several authors are responsible for misidentifications, they, with the dates of their works, are separated by a solidus (/). Where the misidentification involves important literature for a particular area, this is indicated by an appropriate addition, e.g. '[*mutata*: Japanese authors, not Malloch]'. Misidentifications are listed alphabetically at the end of a taxon entry.

Authors' names

Several authors published under variant versions of their names. We have standardised as follows: Baranov (not Baranoff); Coscarón-Arias (not Coscaron-Arias, Coscarón Arias); Ibáñez-Bernal (not Ibañez-Bernal, Ibañez Bernal), Kachvoryan (not Kachvorian); Krüger (not Krueger); Ramírez-Pérez (not Ramirez Perez, Ramírez Pérez); Rubtsov (not Rubtzov, Rubzov, Rubzow); Sherban (not Serban, Şerban); Zivkovitch (not Zivkovic, Živković). For 'De' versus 'de' we have standardised to 'De' even if an author has occasionally used the lower case variant, hence for example De Meillon, De León. It proved impracticable, within the restraints of the format, to distinguish in a neat and uncluttered fashion between authors who happen to share the same surname, e.g. the Canadian specialist D.M. Davies and the British specialist L. Davies. Consequently, in common with usual catalogue and

checklist procedure, the initials of 'duplicated' authors are omitted. (In practice the author(s) and year date given for any name will be sufficient to trace the original reference through the *Zoological Record*.)

(2) Geographical information

Distribution

For each species considered valid, the distribution is shown in the right-hand column by alphabetical listing of the countries from which it has been recorded. For large countries (e.g. Canada) and those spanning a wide range of environments (e.g. Chile), the first-level subdivisions (e.g. province or region) for which there are records are shown, with the type locality given first and followed by the other subdivisions in alphabetical order of their abbreviations (see list of Geographical abbreviations below). Countries for which occurrence of the species is insufficiently substantiated are listed at the end, each with a parenthetical query mark against the name. If a country record is definitely an error, this is shown by placing the country name in quote marks and within square brackets; e.g. the entries under *Simulium hirsutum* Pomeroy of '['Sierra Leone' error]' and under *Simulium monticola* Friederichs of '['Britain' error]' show that the published records of the species from those particular countries are now known to be wrong (i.e. based on misidentifications). Geographical distributions also are provided for distinct forms, especially those suspected of being valid species. However, if a form is equivalent to the nominal species under which it is listed, rather than being a subdivision within that nominal species, its distribution is not given.

Siberia is treated separately as if it is an individual country. The individuality of Siberia follows that established by Soós & Papp (eds.) in their *Catalogue of Palaearctic Diptera* (14 volumes, 1984-1994), where the eastern part of the old USSR (now Russian Federation) is distinguished from European Russia. This has much to commend it both on practical and faunistic grounds. Another departure from the strictly administrative basis concerns Labrador and Newfoundland, entries for the latter referring only to the island, and the mainland area (Labrador) being entered independently. Isolated archipelagos have been treated separately from the mother country of which they are part: thus, the Balearics and Canaries are treated independently of Spain, the Azores and Madeira independently of Portugal.

A word should be said about the 'negative' aspects of distribution, those areas for which there are no records for one or other of three reasons: (1) areas not adequately prospected where Simuliidae presumed to occur; (2) areas well prospected and with suitable lotic habitat but Simuliidae absent; (3) areas without trace of running water and Simuliidae absent. Some of the presently negative areas worth pinpointing are as follows. In the first category are the large countries of Cambodia, Laos, Mauritania and Western Sahara and the Andaman and Nicobar Islands (no records traced for any of these areas). In the second category are the Hawaiian Islands, Samoan Islands, Tristan da Cunha and Kerguelen; in the third category are the streamless calcareous islands such as Bahamas, Bermuda and Cayman Islands, and superabundant streamless coral islands and atolls of the Pacific and Indian Oceans (also the dead volcano of Ascension Island). The Falkland Islands (Malvinas) appear to be negative but the streams have not been adequately surveyed.

Type locality

For valid names the country of the type locality is given as the first entry in the geographical distribution statement, followed by a semicolon and augmented as appropriate by any first-level subdivisions given in parentheses. Where subdivisions within a country, or islands within an archipelago, are specified the first always pertains to the type locality and is given in unabbreviated form, e.g. 'USA (California, Ari, Kan, Neb, Nev, Texas)'. For synonyms, the type locality is given as a country entry in square brackets after the synonym name entry, amplified if appropriate by any first-level subdivisions in parentheses, e.g. '[Italy (Sicily)]' or '[Peru (Cuzco)]'. There are a few instances in which the type locality country cited in the Inventory differs from that given in the original species description, the reason being that the original type material is lost and a neotype has been designated from elsewhere. In such a case, the new type locality country is cited in the form 'Afghanistan [neotype]'.

Geographical abbreviations

Country names are given in full but to condense the text, it has been necessary to abbreviate most names of first-level subdivisions (regions, provinces, states). The basic principle has been to give single-word names in full up to a limit of five letters, abbreviating thereafter. Initial capitals are used for multiple-word names such as New York or San Luis Potosi and usually the first consecutive two or three letters for longer single-word names (varied if necessary to deal with names that share the first few letters). The abbreviations are as follows: -

Argentina: BA, Buenos Aires; Cat, Catamarca; Chu, Chubut; Cór, Córdoba; Cos, Corrientes; ER, Entre Rios; For, Formosa; LP, La Pampa; LR, La Rioja; Men, Mendoza; Mis, Misiones; Nqn, Neuquén; RN, Rio Negro; SDE, Santiago del Estero; SJ, San Juan; SL, San Luis; SC, Santa Cruz; SF, Sante Fe; TDF, Tierra del Fuego; Tuc, Tucumán.

Note: Isla de los Estados (Staten Island), part of the province of Tierra del Fuego, has been specified when appropriate.

Australia: ACT, Australian Capital Territory; NSW, New South Wales; NT, Northern Territory; Qld, Queensland; SA, South

Australia; Tas, Tasmania; Vic, Victoria; WA, Western Australia.

Brazil: Amz, Amazonas; BFD, Brasilia Federal District; ES, Espirito Santo; Mar, Maranhão; MG, Minas Gerais; MGr, Matto Grosso; MGrN, Matto Grosso do Norte; MGrS, Matto Grosso do Sul; Par, Paraná; Pba, Paraíba; Per, Pernambuco; RGN, Rio Grande do Norte; RGS, Rio Grande do Sul; RJ, Rio de Janeiro; Ron, Rondônia; Ror, Roraima; SC, Santa Catarina; SP, São Paulo; Toc, Tocantins.

Britain: CI, Channel Islands; En, England; Sc, Scotland; Wa, Wales.

Note: The numerous islands associated with mainland Britain are not specified in the distribution data except for one instance where the Shetland Islands are type locality.

Canada: Alb, Alberta; BC, British Columbia; Lab, Labrador; Man, Manitoba; Nfld, Newfoundland; NB, New Brunswick; NS, Nova Scotia; Nun, Nunavut; NWT, Northwest Territories; Ont, Ontario; PEI, Prince Edward Island; Que, Quebec; Sask, Saskatchewan.

Note: Labrador and insular Newfoundland are separately listed for reasons given above. The Queen Charlotte Islands and islands of the Canadian Arctic for which there are records (Baffin, Banks, Southampton and Victoria) are specified when appropriate. Vancouver Island has been specified within BC only when it is a type locality.

Chile: Ant, Antofagasta; Ara, Araucania; Ata, Atacama; BB, Bio-Bio; Coq, Coquimbo; LL, Los Lagos; Mag, Magallanes; O'H, O'Higgins; San, Santiago; Tar, Tarapacá; TDF, Tierra del Fuego; Val, Valparaiso.

Note: Chiloé and Navarino Islands have been specified within the appropriate province whenever applicable.

China: Be, Beijing; Fu, Fujian; Gd, Guangdong; Gu, Guizhou; He, Heilongjiang; HK, Hong Kong; IM, Inner Mongolia; Ji, Jiangsu; Jx, Jiangxi; Li, Liaoning; Qi, Qinghai; Sg, Shandong; Sh, Shanxi; Si, Sichuan; Sx, Shaanxi; Xi, Xinjiang; Yu, Yunnan; Zh, Zhejiang.

India: AP, Andhra Pradesh; ArP, Arunachal Pradesh; HP, Himachal Pradesh; Ka, Karnataka (old Mysore); Ke, Kerala; Ma, Maharashtra; Me, Meghalaya; MP, Madhya Pradesh; Mr, Manipur; Na, Nagaland; Pu, Punjab; Sik, Sikkim; TN, Tamil Nadu (old Madras); UP, Uttar Pradesh; WB, West Bengal.

Japan: Hok, Hokkaido; Hon, Honshu; Ky, Kyushu, NI, Nansei (= Ryukyu) Islands; Sh, Shikoku.

Mexico: Ag, Aguascalientes; Ca, Chihuahua; Ch, Chiapas; Cl, Coahuila; Co, Colima; Cp, Campeche; Du, Durango; FD, Federal District; GJ, Guanajuato; Gu, Guerrero; Hi, Hidalgo; Ja, Jalisco; Ju, Juliaca; Mi, Michoacan; Mo, Morelos; MS, Mexico State; Na, Nayarit; NL, Nuevo Leon; Ox, Oaxaca; Pu, Puebla; Si, Sinaloa; SLP, San Luis Potosi; So, Sonora; Ta, Tamaulipas; Tb, Tabasco; Vz, Veracruz; Za, Zacatecas.

New Guinea: PNG, Papua New Guinea.

Note: The islands of Bougainville, Mussau, New Britain and New Ireland, all administratively parts of Papua New Guinea, are specified when appropriate.

Peru: Anc, Ancash; Apu, Apurimac; Are, Arequipa; Huá, Huánuco.

Russia: CR, Central Russia; KM, Karelia-Murmansk; NR, Northern Russia; SR, Southern Russia.

Note: The latitudinal division of European Russia into northern, central and southern areas follows the system used by Soós & Papp (1984-1994). On this system the northern area lies north of (approximately) 60° north latitude, the central area between 60° and 50°, and the southern area south of 50° (limited by the Caucasus and Kazakhstan). Karelia-Murmansk, with a fauna much like that of Fennoscandia, is specified separately.

Siberia: ES, Eastern Siberia; FE, Far East; WS, Western Siberia.

Note: The longitudinal division of Siberia into three regions follows the system used by Soós & Papp (1984-1994): West Siberia extends from the Urals to the Yenisei River, East Siberia from the Yenisei River to the border of the Magadan and Khabarovsk regions, and the Far East from that border to the Pacific limit of the Russian Federation.

South Africa: EC, Eastern Cape; FS, Free State; G, Gauteng; KZN, KwaZulu Natal; L, Limpopo; M, Mpumalanga; NC, Northern Cape; NW, North-West; WC, Western Cape.

Note: Mpumalanga was Eastern Transvaal (ET) and Limpopo Province was Northern Transvaal (NT) at the time of the 1997

Inventory.

USA: Ala, Alabama; Ari, Arizona; Ark, Arkansas; Cal, California; Col, Colorado; Con, Connecticut; DC, District of Columbia; Del, Delaware; Flo, Florida; Geo, Georgia; Ill, Illinois; Ind, Indiana; Kan, Kansas; Ken, Kentucky; Lou, Louisiana; Mar, Maryland; Mas, Massachusetts; Mic, Michigan; Min, Minnesota; Misp, Mississippi; Misr, Missouri; Mon, Montana; NC, North Carolina; ND, North Dakota; Neb, Nebraska; Nev, Nevada; NH, New Hampshire; NJ, New Jersey; NM, New Mexico; NY, New York; Okl, Oklahoma; Ore, Oregon; Pen, Pennsylvania; RI, Rhode Island; SC, South Carolina; SD, South Dakota; Ten, Tennessee; Ver, Vermont; Vir, Virginia; Was, Washington; Wis, Wisconsin; WV, West Virginia; Wyo, Wyoming.

Note: Alaska (spelled in full) is folded into the USA, a departure from previous inventory versions in which it was recognized as an individual entity equivalent to a country. The current arrangement reflects its faunistic treatment in the larger context of the North American continent (Adler *et al.*, 2004).

(3) General abbreviations

attrib.	-	attributed to
Comb. n.	-	new combination
descrip.	-	description
f.	-	form
incl.	-	including
ICZN	-	International Commission on Zoological Nomenclature
loc.	-	locality
preocc.	-	preoccupied (of a junior homonym)
publ.	-	published
sp.	-	species
spp.	-	species (plural)
ssp.	-	subspecies
subst.	-	substitute (of name substituting for junior homonym)
Syn. n.	-	new synonymy
unav.	-	unavailable (infringing some aspect of Chapter 4 of the <i>Code</i>)
unpubl.	-	unpublished
var.	-	variety

A note on common names for blackflies

In many parts of the world, especially where they are bloodsucking pests, blackflies have common (vernacular) names in local languages. Some of these vernacular names apply to simuliids generally and others to particular species, for example Blandford fly, a name strictly for *Simulium posticatum*. We have not included common names in this Inventory but direct the attention of anyone who would like information on such names to the Blackfly Vernacular Names Project. This is posted on the internet in the form of Wiki pages that allow anyone to access the names lists, and to provide additions or suggested amendments by typing them directly onto the pages. The pages can be found either at www.blackflies.objectis.net/NamesZW or on www.blackfly.org.uk and following the link. More information on the project can be obtained from Dr. John B. Davies (daviesjb@liverpool.ac.uk).

Acknowledgments for the 2009 Revision

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Introduction to the 2008 Revision

A decade has passed since the publication of the world inventory of simuliids by Crosskey & Howard (1997), which listed 1660 valid, living species. That inventory was based on an earlier version (Crosskey, 1988) and followed by two updates (Crosskey, 1999, 2002) and a revised web version (Crosskey & Howard 2004). A flurry of taxonomic activity over the past three years now warrants an updated version of the 2004 inventory. The current version, also web based, is a collaboration between Adler and Crosskey, and was foreshadowed in the introduction to the 2004 inventory, with an eye toward maintaining periodic updates.

Our collaboration entails several rearrangements and compromises relative to the 2004 inventory version, notably the following, based primarily on Adler *et al.* (2004): (1) The more restricted interpretation for the tribe Prosimuliini is adopted. (2) *Helodon* and *Urosimulium* are treated in generic status. (3) *Aspathia* and *Boreosimulium* are recognized as valid subgenera. (4) *Hearlea* and *Shewellomyia* are subsumed in *Hemicnetha*. (5) *Obuchovia* is retained as a distinct subgenus, following Crosskey & Howard (2004),

rather than recognized as a species group in the subgenus *Hemicnetha* (Adler *et al.* 2004); we agree, however, that the small size of the subgenus and the structural similarity of the included species do not justify recognition of species groups in *Obuchovia*. (6) The *griseifrons*, *multistriatum*, and *striatum* groups are retained in the subgenus *Simulium*, following Crosskey & Howard (2004), rather than in the subgenus *Aspathia* (Adler *et al.*, 2004). (7) *Mayacnephia* is subsumed in *Tlalocomyia*. (8) The common name for the Simuliidae is retained as one word ('blackflies'), rather than two ('black flies'; Adler *et al.*, 2004), to provide continuity with previous inventory versions. We emphasize, overall, the overwhelming consensus of opinion on the taxonomy and systematic arrangement of the more than 2000 valid taxa included in the present inventory.

The current inventory represents a new edition, covering information known to us to have been published before 1 January 2008. The main purpose of this inventory remains the same as for previous versions: "to provide a user-friendly systematic aid to a wide audience involved with almost any aspect of simuliid research, particularly in relation to biodiversity studies." (Crosskey & Howard, 2004). A total of 2027 formally named species (2015 living and 12 fossil) are listed as valid, representing a net gain of 218 valid species since the 2004 inventory version. Extant species are represented among the major zoogeographic regions as follows: Afrotropical, 11%; Australasian, 12%; Nearctic, 11%; Neotropical, 16%; Oriental, 17%; Palearctic, 33%. These figures, however, should be interpreted cautiously. They reflect not only differential taxonomic effort in the various regions, but also differences in philosophical approaches to taxonomy and recognition of species. The Palearctic Region was dominated for more than 50 years by Ivan Rubtsov, who authored or coauthored 365 specific, subspecific, or varietal names for simuliids, many of which are beginning to fall to synonymy. Efforts in the Afrotropical Region have been biased toward the medically important *Simulium damnosum* complex. The figures also do not reflect species shared between two zoogeographic regions. About 13% of species in the Nearctic Region, for example, are shared with the Palearctic Region (Adler *et al.*, 2004).

All synonyms and vernacular names, as well as incorrect spellings and misidentifications known to us, are provided for each species. Also given are the countries of distribution, along with the region, state, province, or island for large or faunistically diverse countries; the country and any first-level subdivision of each type locality is specified.

Notes regarding new geographical, nomenclatural, and taxonomic information or interpretations are provided at the end of the inventory, listed alphabetically by taxon. These notes are linked to taxa in the inventory by an asterisk (*). Particular attention should be given to the notes of previous inventories (Crosskey, 1988; Crosskey & Howard, 1997, 2004), not repeated here but invaluable as guides and interpretations to many of the entries in the current version.

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Table 1. Numbers of Formally Named Species in the Genera of World Simuliidae.

<u>Extant (Living) Species</u>		<u>Fossil Species</u>	
Parasimulium	4	[Kovalevimyia]	[1]
Gymnopais	12	[Simulimima]	[1]
Helodon	34	[Archicnephia]	[1]
Levitinia	3	[Baisomyia]	[1]
Prosimulium	74	Ectemnia	[2]
Twinnia	10	Greniera	[3]
Urosimulium	3	[Gydarina]	[1]
Araucnephia	2	Simulium	[1]
Araucnephioides	1	[Simuliites]	[1]
Austrosimulium	25	TOTAL	[12]
Cnephia	9		
Cnesia	3		
Cnesiamima	1		
Crozetia	2		
Ectemnia	4		
Gigantodax	65		
Greniera	13		
Lutzsimulium	4		
Metacnephia	57		
Paracnephia	19		
Paraustrosimulium	1		
Pedrowyomyia	4		
Simulium	1659		
Stegopterna	14		
Sulcicnephia	21		
Tlalocomyia	16		
TOTAL	2060		

Inventory

Order DIPTERA Linnaeus

Suborder NEMATOCERA Berthold

Family SIMULIIDAE Newman

SIMULIITES Newman, 1834 (as 'Natural Order': origin of family name SIMULIIDAE)
SIMULIDES Zetterstedt, 1837
SIMULINAE Rondani, 1840
SIMULIINA Agassiz, 1846
SIMULIDAE Haliday *in* Walker, 1851
SIMULIADAE Haliday *in* Walker, 1851
SIMULINA Rondani, 1856
SIMULIDEA Bellardi, 1859
SIMULIIDAE Dallas, 1869 (in *Zoological Record*: first actual use of modern family spelling)
[MELUSINIDAE: authors, error based on type misidentification]

Subfamily PARASIMULIINAE Smart

PARASIMULIINAE Smart, 1945. Type genus: *Parasimulium* Malloch.
PARASIMULIINAE Smart, 1944 (unav., *nomen nudum*)

Genus PARASIMULIUM Malloch

PARASIMULIUM Malloch, 1914 (as genus). Type species: *furcatum* (original designation)

Subgenus ASTONEOMYIA Peterson

ASTONEOMYIA Peterson, 1977 (as subgenus of *Parasimulium*). Type species: *melanderi* (original designation)

melanderi Stone, 1963 USA (Washington); Canada (BC)
'A' Adler, Currie & Wood, 2004 (*Parasimulium* sp.) USA (Oregon)
'n. sp.' Courtney, 1993 (*Parasimulium*)

Subgenus PARASIMULIUM Malloch s. str.

crosskeyi Peterson, 1977 USA (Oregon)
furcatum Malloch, 1914 USA (California, Ore); Canada (BC)
stonei Peterson, 1977 USA (California, Ore, Was)

Subfamily SIMULIINAE Newman

Tribe PROSIMULIINI Enderlein

PROSIMULIINAE Enderlein, 1921. Type genus: *Prosimulium* Roubaud
HELLICHIINI Enderlein, 1925. Type genus: *Hellichia* Enderlein
GYMNOPAIDINAE Rubtsov, 1955. Type genus: *Gymnopais* Stone [stem: Gymnopaïd-]
HELODOIINI [*sic*] Ono, 1982 (correctly HELODONTINI). Type genus: *Helodon* Enderlein
[KOVALEVIMYIINAE Kalugina, 1991]. Type genus: *Kovalevimyia* Kalugina

Genus GYMNOPAIS Stone

GYMNOPAIS Stone, 1949 (as genus). Type species: *dichopticus* (original designation)

andrei Vorobets, 1984	Siberia (Yakutskaya ES)
bifistulatus Rubtsov, 1955	Siberia (Baikal ES); Mongolia
<i>bitistulatus</i> : incorrect subsequent spelling	
dichopticoides Wood, 1978	Canada (Yukon, Alb, BC); USA (Alaska)
‘near <i>dichopticus</i> ’ Craig, 1974 / Davies, 1974 (<i>Gymnopaïs</i> sp.)	
dichopticus Stone, 1949	USA (Alaska); Canada (Yukon)
fimbriatus Wood, 1978	Canada (Yukon); USA (Alaska)
frontatus Yankovsky, 1982	Siberia (Kamchatka FE)
<i>boreopacificus</i> Yankovsky, 1996 (unnecessary subst. name)	
holopticoides Wood, 1978	Canada (Northwest Territories [Victoria Island] incl. Banks Island, BC, Lab, Nun incl. Baffin Island, Que, Yukon); USA (Alaska)
‘n. sp.’ Downes, 1962 (<i>Gymnopaïs</i>)	
holopticus Stone, 1949	USA (Alaska); Canada (Yukon)
lindneri Rubtsov, 1963	Siberia (Tuva WS)
rubzovi Bobrova, 1967	Siberia (Altai WS)
sexcornutus Bodrova, 1975	Siberia (Maritime FE)
<i>sexcornotus</i> : incorrect subsequent spelling	
trifistulatus Rubtsov, 1955	Siberia (Baikal ES, Maritime FE)

Genus HELODON Enderlein

HELODON Enderlein, 1921 (as genus). Type species: *ferrugineum* (original designation)

Subgenus DISTOSIMULIUM Peterson

DISTOSIMULIUM Peterson, 1970 (as subgenus of *Prosimulium*). Type species: *pleurale* (original designation)

daisetsensis (Uemoto, Okazawa & Onishi, 1976)	Japan (Hokkaido)
pleuralis (Malloch, 1914)	Canada (British Columbia, Alb, Lab, NB, Nfld, Que, Yukon); USA (Alaska, Idaho, Was)
<i>tenuicalx</i> (Enderlein, 1925) [USA (Idaho)]	
<i>pancerastes</i> (Dyar & Shannon, 1927) [USA (Idaho)]	

Subgenus HELODON Enderlein s. str.

HELODON Enderlein, 1921 (as genus)*. Type species: *ferrugineus* (original designation)

HAIMOPHAGA Rubtsov, 1977 (as subgenus of *Ahaimophaga*). Type species: *multicaulis* (original designation)

AHAIMOPHAGA Rubtsov & Chubareva, 1977 [*in* Rubtsov] (unav., no designated type-species)

AHAIMOPHAGA Chubareva & Rubtsov, 1978 [*in* Chubareva] (as genus). Type species: *alpestris* (original designation)

ACHAIMOPHAGA: incorrect subsequent spelling

alpestris (Dorogostaisky, Rubtsov & Vlasenko, 1935)	Siberia (Irkutskaya ES, WS, FE incl. Commander Islands); Canada (BC, NWT, Yukon), China (Jilin), Kazakhstan, Mongolia, USA (Alaska)
<i>altaicus</i> (Rubtsov, 1956) [Kazakhstan]	
<i>relensis</i> (Rubtsov, 1956) [Siberia (Irkutskaya)]	
<i>komandorensis</i> (Rubtsov, 1971) [Siberia (Commander Islands)]	
‘J’ Hocking, 1950 (<i>Prosimulium</i> sp.)	
<i>kalpestre</i> : incorrect subsequent spelling	
aridus (Rubtsov, 1971)	Mongolia
beardi Adler, Currie & Wood, 2004	USA (Arizona, Cal, Ore)
‘3’ Newman, 1983 (<i>onychodactylus</i> cytoform)	
buturlini (Rubtsov, 1956)	Siberia (Yakutskaya ES)
chaos Adler, Currie & Wood, 2004	USA (Oregon, Cal, Was)
‘1a’ Newman, 1983 (<i>onychodactylus</i> cytoform)	

‘1b’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Ore, Was
chehciri (Popov, 1977)	Siberia (Khabarovsk FE)
clavatus (Peterson, 1970)	Canada (Yukon, Alb, BC)
<i>albertensis</i> (Peterson & Depner, 1972) [Canada (Alberta)]	
czekanowskii (Rubtsov, 1956)	Siberia (Yakutskaya ES)
<i>czekanovskii</i> , <i>czekanowskii</i> : incorrect subsequent spellings	
diadelphus Adler, Currie & Wood, 2004	USA (Wyoming, Alaska, Idaho, Ore, Was); Canada (Alb, BC, Yukon)
‘2b’ Newman, 1983 (<i>onychodactylus</i> cytoform)	
<i>diodelphus</i> : incorrect subsequent spelling	
ferrugineus (Wahlberg, 1844) [valid, ICZN Opinion 1496, List]	Sweden; Estonia, Finland, Norway, Russia (CR, NR), Siberia (WS)
<i>rufus</i> (Meigen, 1838) [ICZN List] [no locality, ? Sweden]	
<i>borealis</i> (Zetterstedt, 1842) [ICZN List] [Sweden]	
irkutensis (Rubtsov, 1956)	Siberia (Irkutskaya ES); Canada (Nun incl. Baffin Island, NWT incl. Banks and Victoria Islands, Yukon), USA (Alaska)
<i>perspicuus</i> (Sommerman, 1958) [USA (Alaska)]	
<i>martini</i> (Peterson, 1970) [Canada (Nunavut [as NWT]: Baffin Is.)]	
? ‘X’ Sommerman, 1953 (<i>Prosimulium</i> sp.)	
‘#’ Sommerman, 1953 (<i>Prosimulium</i> sp.)	
<i>ircutense</i> , <i>ireutense</i> : incorrect subsequent spellings	
<i>perspicum</i> , <i>pespicuum</i> : incorrect subsequent spellings	
kamtshaticus (Rubtsov, 1940)	Siberia (Kamchatka FE)
<i>kamtschaticus</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
kamui (Uemoto & Okazawa, 1980)	Japan (Hokkaido)
[<i>multicaulis</i> : Ono, 1976, not Popov]	
laamii (Beaucournu-Saguez & Bailly-Choumara, 1981)	Morocco
makarovi (Bodrova, 1988) [<i>in</i> Bodrova & Luk’yanchuk]	Siberia (Sakhalin FE)
mccreadiei Adler, Currie & Wood, 2004	USA (Washington, Cal, Ore)
‘7a’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Ore
‘7b’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Ore
<i>mecreaidiei</i> : incorrect subsequent spelling	
mesenevi (Patrusheva, 1975)	Siberia (Taymyrsky ES)
multicaulis (Popov, 1968)	Siberia (Khabarovsk FE, Sakhalin FE); Korea (South). [‘Japan’ error]
<i>mulicaulis</i> , <i>multicaulus</i> , <i>multiczauli</i> : incorrect subsequent spellings	
newmani Adler, Currie & Wood, 2004	USA (Oregon)
‘5’ Newman, 1983 (<i>onychodactylus</i> cytoform)	
onychodactylus (Dyar & Shannon, 1927)	USA (Colorado, Alaska, Cal, Idaho, Mon, NM, Ore, Utah, Was, Wyo); Canada (Alb, BC)
? ‘B’ Rothfels, 1979 (cytoform)	
‘6’ Newman, 1983 (cytoform)	
‘10’ Henderson, 1986 (cytoform)	
‘10a’ Henderson, 1985 (thesis) (cytoform)	
‘10b’ Henderson, 1985 (thesis) (cytoform)	
‘10c’ Henderson, 1985 (thesis) (cytoform)	
‘10d’ Henderson, 1985 (thesis) (cytoform)	
<i>onchodactulus</i> , <i>onchodactylum</i> , <i>onychodacthylum</i> , <i>onychodactilum</i> , <i>onycodactylum</i> : incorrect subsequent spellings	
phytofagus (Rubtsov, 1976)	Kazakhstan
protus Adler, Currie & Wood, 2004	USA (Idaho, Alaska, Ore, Was)
‘4a’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Idaho, Ore, Was
‘4b’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Ore, Was
rezidentsii (Yankovsky, 2000)	Siberia (Khabarovsk FE)
rhizomorphus (Rubtsov, 1971)	Siberia (Magadanskaya FE)
rubicundus Rubtsov, 1956	Siberia (Irkutskaya ES, FE); Mongolia
sinensis (Sun, 1994)	China (Liaoning)
submulticaulis (Yankovsky, 2000)	Siberia (Transbaikal ES)
<i>submulticaulis</i> : incorrect subsequent spelling	
susanae (Peterson, 1970)	Canada (British Columbia, Alb, Yukon); USA (Alaska, Cal, Col, Idaho, Mon, NM, Ore, Utah, Was, Wyo)
‘A’ Rothfels, 1979 (<i>onychodactylus</i> cytoform)	
‘2a’ Newman, 1983 (<i>onychodactylus</i> cytoform)	
‘9’ Henderson, 1986 (<i>onychodactylus</i> cytoform)	

trochus Adler, Currie & Wood, 2004 Canada (British Columbia); USA (Nev)
 ‘8’ Henderson, 1986 (*onychodactylus* cytoform)

Subgenus **PARAHELODON** Peterson

PARAHELODON Peterson, 1970 (as subgenus of *Prosimulium*). Type species: *decemarticulatus* (original designation)

decemarticulatus (Twinn, 1936) Canada (Ontario, Alb, BC, Lab, Man, NWT, PEI, Que, Sask, Yukon); USA (Alaska, Maine, Wis)
decemartilulatum, *decimarticulatus*: incorrect subsequent spellings
gibsoni (Twinn, 1936) Canada (Ontario, Alb, Man, Nun, NWT, Que, Sask); USA (Maine, Mic, Min, NH, Wis)
vernalis Shewell, 1952 Canada (Ontario); USA (Ark, Del, Mar, Vir)

[Genus **KOVALEVIMYIA** Kalugina]

[**KOVALEVIMYIA** Kalugina, 1991 (as genus). Type species: *lacrimosa* (original designation)]

[**lacrimosa** Kalugina, 1991] [Siberia (Chitinskaya ES): Upper Jurassic or Lower Cretaceous]

Genus **LEVITINIA** Chubareva & Petrova

LEVITINIA Chubareva & Petrova, 1981 (as genus). Type species: *tacobi* (original designation)

freidbergi Beaucournu-Saguez & Braverman, 1987 Syria (Golan)
tacobi Chubareva & Petrova, 1981 Tajikistan
tamarae Koshkimbaev & Ismagulov, 1992 Kazakhstan

Genus **PROSIMULIUM** Roubaud

PROSIMULIUM Roubaud, 1906 (as subgenus of *Simulium*)*. Type species: *hirtipes* (subsequent designation of Malloch, 1914)
HELLICHIA Enderlein, 1925 (as genus). Type species: *macropyga*, as *latifrons* (original designation)
TAENIOPTERNA Enderlein, 1925 (as genus). Type species: *macropyga* (original designation)
MALLOCHELLA Enderlein, 1930 (preocc.) (as genus). Type species: *hirtipes*, as *sibirica* (original designation)
MALLOCHIANELLA Vargas & Díaz Nájera, 1948 (subst. name for *Mallochella* Enderlein, same type species)
PIEZOSIMULIUM Peterson, 1989 (as genus). Type species: *neomacropyga*, as *jeanninae* (original designation)

HIRTIPES species-group

albense Rivosecchi, 1961 Italy (incl. Sicily); Algeria
silana Rivosecchi, 1967 (unav., form post-1960)
apoina Ono, 1977 Japan (Hokkaido)
apoinum: incorrect subsequent spelling
approximatum Peterson, 1970 Canada (Quebec, NB, Nfld, Ont); USA (Mas, Mic, Wis)
mysticum: authors, not Peterson]
arshanense Rubtsov, 1956 Siberia (Irkutskaya ES)
arvum Adler & Kim, 1985 USA (Pennsylvania, Ala, Ark, Geo, Maine, Mic, Misp, NC, NH, NJ, NY, SC, Ten, Texas, Vir, Wis, WV); Canada (Ont, Que)
 ‘4’ Syme, 1957 (thesis) (*hirtipes* morphoform)
approximatum: authors, not Peterson]
calabrum Rivosecchi, 1966 Italy
clandestinum Adler, Currie & Wood, 2004 USA (New Jersey, Pen, Vir)
daviesi Peterson & DeFoliart, 1960 USA (Utah, Col, Idaho, Mon, NM, Ore, Was, Wyo); Canada (BC)
 ‘199’ Peterson, 1959 (*Prosimulium* sp.)
doveri Sommerman, 1962 [1961] USA (Alaska, Was); Canada (BC incl. Queen Charlotte Islands)
 ‘E’ Sommerman, 1958 (*hirtipes* morphoform)

‘n. sp.’ Rothfels, 1979 (<i>Prosimulium</i>) [travisi: Sommerman, 1953 / Sommerman <i>et al.</i> , 1955, not Stone]	
esselbaughi Sommerman, 1964	USA (Alaska, Cal, Mon, Nev, Ore, Was); Canada (Alb, BC incl. Queen Charlotte Islands, Yukon)
‘2’ Sommerman, 1958 (<i>hirtipes</i> morphoform)	
‘Alaskan <i>mixtum</i> ’ Syme & Davies, 1958 (<i>Prosimulium</i> sp.)	
‘2 (Alaska)’ Basrur, 1962 (<i>hirtipes</i> cytoform)	
<i>eselbaughi</i> : incorrect subsequent spelling	
[<i>hirtipes</i> : Sommerman, 1953, not Fries]	
fontanum Syme & Davies, 1958	Canada (Ontario, NB, Que); USA (Maine, Mic, NH, NY, Pen)
‘16’ Rothfels, 1956 (<i>Prosimulium</i> cytoform)	
‘3’ Syme & Davies, 1958 (<i>hirtipes</i> morphoform)	
<i>fontanatum</i> : incorrect subsequent spelling	
formosum Shewell, 1959	Canada (British Columbia: Vancouver Island, Queen Charlotte Islands and mainland, Alb, Yukon); USA (Ari, Cal, Idaho, Mon, NM, Ore, Was, Wyo)
frohnei Sommerman, 1958	USA (Alaska, Cal, Col, Mon, Wyo); Canada (Alb, BC, Yukon)
frontatum Terteryan, 1956	Armenia; Azerbaijan
<i>stenopalpe</i> Rubtsov, 1956 [Armenia]	
<i>strnopalpis</i> : incorrect subsequent spelling	
fulvipes (Edwards, 1921)	Bulgaria; Czech Republic, Hungary, Italy, Slovakia, Turkey
<i>subrufipes</i> Knoz, 1980 [Czech Republic]	
fulvithorax Shewell, 1959	Canada (British Columbia: Vancouver Island and mainland); USA (Cal, Mon, Ore)
‘1’ Basrur, 1962 (<i>Prosimulium</i> sp.)	
fulvum (Coquillett, 1902)	USA (Montana, Alaska, Cal, Col, Idaho, Ore, Utah, Was, Wyo); Canada (Alb, BC, Yukon)
[<i>ochraceum</i> : Baker, 1897 / Coquillett, 1898, 1900, not Walker]	
fuscum Syme & Davies, 1958	Canada (Ontario, Man, NB, NS, PEI, Que incl. Magdalen Islands, Sask); USA (Mas, Mic, NH, NJ, NY, Pen, Wis)
<i>mysticum</i> Peterson, 1970 [USA (Wisconsin)]	
‘1’ Rothfels, 1956 (<i>hirtipes</i> cytoform)	
‘#2’ Anderson & Dicke, 1960 (<i>Prosimulium</i> sp.)	
gigas Rubtsov, 1956	Russia (Caucasus)
hirtipes (Fries, 1824)	Sweden; Andorra, Austria, Belgium, Bosnia, Britain (En, Sc), China (He, IM, Li), Czech Republic, Finland, France, Germany, Hungary, Ireland, Italy (incl. Sicily), Latvia, Luxembourg, Norway, Poland, Romania, Russia (CR, NR), Siberia (ES, WS), Slovakia, Slovenia, Spain, Switzerland, Ukraine, Netherlands (?). [Not North America (misidentified)]
<i>sibiricum</i> (Enderlein, 1930) [Siberia (Yakutskaya)]	
<i>diminutum</i> Rubtsov, 1956 [Siberia (Irkutskaya)]	
<i>italicum</i> Rivosecchi, 1967 (ssp.) [Italy]	
‘3’ Kunze, 1953 (<i>Simulium</i> species)	
<i>hirtum</i> : incorrect subsequent spelling	
idemai Adler, Currie & Wood, 2004	USA (California)
irritans Rubtsov, 1940	Siberia (Maritime, Sakhalin FE); China (He, Jilin, Li)
isos Rubtsov, 1956	Siberia (Khabarovsk, Kamchatka FE)
<i>isio</i> : incorrect subsequent spelling	
jacuticum Rubtsov, 1973	Siberia (Yakutskaya ES)
<i>tiksiense</i> Yankovsky, 1996 (unnecessary subst. name)	
jezonicum (Matsumura, 1931)	Japan (Hokkaido incl. Rebun Island and Rishiri Island, Hon, Ky); Siberia (Sakhalin FE)
<i>sapporoense</i> (Shiraki, 1935) [Japan (Hokkaido)]	
[<i>crassitarsis</i> : Matsumura, 1915, not Macquart]	
[<i>hirtipes</i> (part): authors (Japan), not Fries]	
kanii Uemoto, Onishi & Orii, 1973	Japan (Honshu)
karibaense Ono, 1980	Japan (Hokkaido)
kiotoense Shiraki, 1935	Japan (Honshu, Ky)
‘Mukashi-buyu No. 1’ Kani, 1944	
[<i>hirtipes</i> (part): authors (Japan), not Fries]	
latimucro (Enderlein, 1925)	France; Austria, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, France (Corsica), Germany, Ireland, Italy, Montenegro, Morocco [not <i>latimucro</i> s. str. ?], Norway, Poland, Portugal, Slovakia, Spain, Switzerland. [‘Sweden’ error]
<i>inflatum</i> Davies, 1957 [Britain (England)]	
<i>goidanichi</i> Rubtsov, 1964 [Italy]	
‘aff. 1’ Basrur, 1959 (cytoform)	
<i>latimurco</i> : incorrect subsequent spelling	
[<i>conistylum</i> : authors, not Rubtsov]	

[<i>hirtipes</i> : authors, not Fries]	
liaoningense Sun & Xue, 1994	China (Liaoning)
<i>lianingsense</i> : incorrect subsequent spelling	
liananicum Rubtsov, 1956	Russia (St Petersburg CR, KM); Finland, Latvia, Norway, Poland, Sweden, Romania (?)
minifulvum Adler, Currie & Wood, 2004	USA (California, Idaho)
mixtum Syme & Davies, 1958	Canada (Ontario, Lab, NB, Nfld, NS, PEI, Que incl. Magdalen Islands); USA (Ala, Ark, Geo, Ill, Ind, Ken, Maine, Mar, Mic, NC, NH, NJ, NY, Ohio, Pen, SC, Ten, Ver, Vir, Wis, WV)
<i>calceatum</i> Say, 1835 (unav., <i>nomen nudum</i>)	
'2' Rothfels, 1956 (<i>hirtipes</i> cytoform)	
'1' Pinkovsky, 1970 (thesis) (<i>Prosimulium</i> sp.)	
[<i>hirtipes</i> : New world authors, not Fries]	
petrosom Rubtsov, 1955	Azerbaijan; Armenia, Bulgaria, Georgia, Ukraine (Crimea), Lebanon (?). [? = <i>latimucro</i>]
<i>nigratum</i> Rubtsov, 1956 [Ukraine]	
rachiliense Djafarov, 1954	Azerbaijan; Armenia, Bulgaria, Greece (Rhodes), Romania, Russia (Caucasus), Turkey
<i>pronevitschae</i> Rubtsov, 1955 [Russia (Caucasus)]	
<i>pronevitshae</i> , <i>pronevitshe</i> : incorrect subsequent spellings	
rhizophorum Stone & Jamnback, 1955	USA (Pennsylvania, Ala, Con, Del, Geo, Ill, Ind, Ken, Maine, Mar, Mas, NC, NH, NJ, NY, Ohio, RI, Ten, Vir, WV)
'14' Jamnback, 1953 (thesis) (<i>Prosimulium</i> sp.)	
<i>rhizophrum</i> , <i>rhizophum</i> , <i>rhyzophorum</i> : incorrect subsequent spellings	
rufipes (Meigen, 1830) (complex)	Germany; Algeria, Andorra, Austria, Bosnia, Bulgaria, Czech Republic, France, Greece, Hungary, Italy (incl. Sicily), Latvia, Luxembourg, Montenegro, Morocco, Poland, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey
<i>gallii</i> (Edwards, 1921) [Switzerland]	
<i>constylum</i> Rubtsov, 1956 [Italy]	
<i>aestivalis</i> Knoz, 1963 (unav., form post-1960)	
'aff. 2' Basrur, 1959 (<i>inflatum</i> [= <i>latimucro</i>] cytoform)	
<i>constilum</i> , <i>constylum</i> : incorrect subsequent spellings	
<i>galli</i> : incorrect subsequent spelling	
[<i>fuscipes</i> : Knoz, 1965, not von Roser]	
rusticum Adler, Currie & Wood, 2004	USA (Arizona)
saltus Stone & Jamnback, 1955	USA (New York, Geo, Ten, WV)
sarurensis Ono, 1976	Japan (Hokkaido)
<i>sarurensis</i> : incorrect subsequent spelling	
secretum Adler, Currie & Wood, 2004	USA (California); Canada (BC)
shewelli Peterson & DeFoliart, 1960	USA (Wyoming, Cal, Col, Utah); Canada (BC)
<i>woodorum</i> Peterson, 1970 [Canada (British Columbia)]	
<i>opleri</i> Peterson & Kondratieff, 1995 [1994] [USA (Colorado)]	
tomosvaryi (Enderlein, 1921 [June])	Germany; Andorra, Austria, Armenia, Azerbaijan, Belgium, Bosnia, Britain (En, Sc), Bulgaria, Czech Republic, France, Georgia, Greece, Hungary, Ireland, Italy (incl. Sicily), Luxembourg, Morocco, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine
<i>picipes</i> (Stephens, 1829) (unav., <i>nomen nudum</i>)	
<i>fuscipes</i> (von Roser, 1840) (preocc.) [Germany]	
<i>tomosvaryi</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>nigripes</i> Enderlein, 1925 [Germany]	
<i>pexifrons</i> Enderlein, 1925 [Austria]	
<i>balcanicum</i> Enderlein, 1929 [Bulgaria]	
<i>canbolicum</i> (Smart, 1944) (subst. name, for <i>balcanicum</i>)	
<i>pseudohirtipes</i> (Smart, 1944) (subst. name, for <i>nigripes</i>)	
<i>arvernense</i> (Grenier, 1947) [France]	
<i>duodecimfiliatum</i> Rubtsov, 1955 [Armenia]	
<i>maruashvili</i> Machavariani, 1966 [Georgia]	
<i>arvenense</i> : incorrect subsequent spelling	
<i>momosvaryi</i> : incorrect subsequent spelling	
[<i>vigintiquaterni</i> : authors, not Enderlein]	
transbrachium Adler & Kim, 1985	USA (Pennsylvania, Vir)
'X' Adler, 1983 (thesis) (<i>Prosimulium</i> sp.)	
travisi Stone, 1952	USA (Alaska, Ari, Cal, Col, Mon, Nev, NM, Ore, Utah, Was); Canada (Alb, BC incl. Queen Charlotte Islands, Yukon)
[<i>esselbaughi</i> : Elgmork & Saether, 1970 / Saether, 1970, not Sommerman]	
tridentatum Rubtsov, 1940	Siberia (Irkutskaya ES, FE); Mongolia
unispinum Rubtsov, 1967	Siberia (Buryatskaya ES, FE)
yezoense Shiraki, 1935	Japan (Hokkaido, Hon, Ky, Sh); Siberia (Sakhalin FE)
<i>alpium</i> Ogata, 1956 (unav., named aberration) [ssp.]	

- 'Mukashi-buyu No. 2' Kani, 1944
yesoense: incorrect subsequent spelling
 'aff. 3' Basrur, 1959 (*inflatum* [= *latimucro*] cytoform) Austria
 'n. sp.' Rothfels, 1979 (*Prosimulium* cytoform [Europe])

MACROPYGA species-group

- candicans** Rubtsov, 1956 Siberia (Baikal ES); Mongolia
erythronotum Rubtsov, 1956 Siberia (Khabarovsk FE)
intercalare Rubtsov, 1956 Siberia (Chitinskaya ES)
kolymense Patrusheva, 1975 Siberia (Magadanskaya FE)
macropyga (Lundström, 1911) Finland; Norway, Russia (KM, NR), Siberia (ES, WS),
latifrons (Enderlein, 1925) [Norway] Sweden
zaitzevi Rubtsov, 1956 [Siberia (Tyumen)] [Yankovsky, 2003 [2002] treats *zaitzevi* as valid sp.]
arcticum Rubtsov & Carlsson, 1965 (preocc.) [Siberia (Taymyrsky)]
korshunovi Patrusheva, 1975 [Siberia (Polyarnyy Ural)]
kershunovi: incorrect subsequent spelling (*Zoological Record*)
macrogapyga, *macropiga*, *macropuga*, *macropygia*, *micropyga*:
 incorrect subsequent spellings
zaeitzevi: incorrect subsequent spelling
 [*latimucro*: Rubtsov & Carlsson, 1965, not Enderlein]
neomacropyga Peterson, 1970 USA (Alaska: Saint Matthew Island and mainland, Col,
jeanninae (Peterson, 1989) [USA (Colorado)] Wyo); Canada (Yukon)
wui Peterson & Kondratieff, 1995 [1994] [USA (Colorado)]
 'n. sp.' Bushnell, Foster & Wahle, 1987 (*Prosimulium*)
 'n. sp. B' Bushnell, Foster & Wahle, 1987 (*Prosimulium*)
 'near *frohnei*' Bushnell, Foster & Wahle, 1987 (*Prosimulium* sp.)
 'near *neomacropyga*' Peterson, 1989 (*Prosimulium* sp.)
 [*ursinum*: authors, not Edwards]
oligoaristatum Rubtsov, 1971 Tajikistan
pamiricum Chubareva & Petrova, 1983 Tajikistan
pecticrassum Rubtsov, 1956 Siberia (Irkutskaya ES, WS)
tredecimfistulatum Rubtsov, 1956 Siberia (Buryatskaya ES, WS)
tridecimfistulatum: incorrect subsequent spelling
ursinum (Edwards, 1935) (complex) Norway (Bear Island = Björnöya, mainland); Canada
ursinum (Edwards, 1935, p. 473) (unav., *nomen nudum*) (BC, Lab, Nun incl. Baffin and Southampton Islands,
browni (Twinn, 1936) [Canada (Nunavut [as NWT]: Baffin Island)] NWT, Que, Yukon), Finland, Greenland, Iceland,
 'O' Rothfels, 1956 (*Prosimulium* cytoform) Russia (KM), Sweden, USA (Alaska)
 [*macropyga*: Chubareva, 1977, 1978, not Lundström]
ventosum Rubtsov, 1956 Siberia (Irkutskaya ES)

MAGNUM species-group

- albionense** Rothfels, 1956 Canada (Ontario); USA (Ala, Ark, Geo, Ind, Ken, Mar,
 'nr. *magnum*' Phelps & DeFoliart, 1964 (*Prosimulium* sp.) Mic, NH, NJ, NY, Ohio, Pen, Ten, Vir, Wis, WV)
 '3' Ottonen & Nambiar, 1969 (*magnum* cytoform)
 'Y_cX₀ hybrid' Ottonen & Nambiar, 1969 (*magnum* cytoform)
 'intermediate' Ottonen & Nambiar, 1969 (*magnum* cytoform)
 [*magnum*: authors, not Dyar & Shannon]
canutum Adler, Currie & Wood, 2004 USA (Wisconsin, Mic, NJ, NY, Pen, WV)
 '2' Ottonen & Nambiar, 1969 (*magnum* cytoform)
 [*multidentatum*: Crans, 1996, not Twinn]
caudatum Shewell, 1959 Canada (British Columbia: Vancouver Island and
 mainland); USA (Cal, Ore, Was)
constrictistylum Peterson, 1970 Canada (British Columbia); USA (Nev)
 'X' Ottonen, 1966 (*Prosimulium* cytoform)
dicentum Dyar & Shannon, 1927 USA (California, Ore, Was)
dicum Dyar & Shannon, 1927 Canada (British Columbia incl. Queen Charlotte Islands);
 USA (Alaska, Ari, Cal, NM, Ore, Was)

exigens Dyar & Shannon, 1927	USA (Idaho, Ari, Cal, Col, Mon, Nev, NM, SD, Utah, Was, Wyo); Canada (BC, Alb)
<i>hardyi</i> (Stains & Knowlton, 1940) [USA (Utah)]	
<i>longilobum</i> Peterson & DeFoliart, 1960 [USA (Utah)]	
flaviantennus (Stains & Knowlton, 1940)	USA (Utah, Ari, Cal, Col, Idaho, NM, Wyo)
<i>flaviantennum</i> , <i>flaviantennus</i> : incorrect subsequent spellings	
impostor Peterson, 1970	Canada (British Columbia); USA (Ari, Cal, Ore)
‘Y’ Ottonen, 1966 (<i>Prosimulium</i> cytoform)	
longirostrum Currie, Adler & Wood, 2004 [<i>in</i> Adler, Currie & Wood]. ..	USA (Oregon)
magnum Dyar & Shannon, 1927	USA (Virginia, Ala, Ark, Geo, Ill, Ind, NH, NJ, NY, Pen, SC, Ten)
<i>frisoni</i> (Dyar & Shannon, 1927) [USA (Illinois)]	
‘1’ Ottonen & Nambiar, 1969 (cytoform)	
‘B’ Traore, 1992 (thesis) (lapsus for <i>magnum</i> s. str.)	
multidentatum (Twinn, 1936)	Canada (Quebec, Ont); USA (Ken, Maine, Mic, NY, Wis)
uinta Peterson & DeFoliart, 1960	USA (Wyoming, Ari, Utah)
unicum (Twinn, 1938)	USA (Utah, Ari)

[Genus SIMULIMIMA Kalugina]

[SIMULIMIMA Kalugina, 1985 [<i>in</i> Kalugina & Kovalev] (as genus). Type species: <i>grandis</i> (original designation)]	
[grandis Kalugina, 1985 [<i>in</i> Kalugina & Kovalev]]	[Siberia (Buryatskaya ES): Middle Jurassic]

Genus TWINNIA Stone & Jamnback

TWINNIA Stone & Jamnback, 1955 (as genus). Type species: *tibblesi* (original designation)

cannibora Ono, 1977	Japan (Hokkaido)
<i>cannivora</i> , <i>cannivora</i> : incorrect subsequent spellings	
changbaiensis Sun, 1994	China (Liaoning)
hirticornis Wood, 1978	Canada (British Columbia); USA (Cal, Mon, Ore)
[<i>nova</i> : Rothfels & Freeman, 1966, not Dyar & Shannon]	
hydroides (Novák, 1956)	Slovakia; Austria, Czech Republic, Germany, Italy, Poland, Switzerland, Ukraine
<i>tatrensis</i> Novák, 1959 [Slovakia]	
japonensis Rubtsov, 1960	Japan (Honshu)
[<i>novum</i> : Bentinck, 1955, not Dyar & Shannon]	
magadensis Rubtsov, 1973	Siberia (Magadanskaya FE)
nova (Dyar & Shannon, 1927)	USA (Montana, Utah, Was, Wyo); Canada (BC, Alb)
<i>biclavata</i> Shewell, 1959 [Canada (British Columbia: Vancouver Is.)]	
sedecimfistulata (Rubtsov, 1955, as <i>16-fistulata</i>)	Siberia (Baikal ES, FE)
<i>sedemcifistulata</i> , <i>sedecimfisturatum</i> : incorrect subsequent spellings	
subtibblesi [<i>sic</i>] Ono, 1980	Japan (Hokkaido)
tibblesi Stone & Jamnback, 1955	Canada (Labrador, NB, Ont, PEI, Que); USA (Maine, Mas, NH, NY, Pen)

Genus UROSIMULIUM Contini

UROSIMULIUM Contini, 1963 (as genus). Type species: *aculeatum*, as *stefanii* (original designation)

aculeatum (Rivosecchi, 1963)	Italy (Sicily, Sardinia); Balearic Islands (Majorca)
<i>stefanii</i> Contini, 1963 [Italy (Sicily)]	
faurei (Bernard, Grenier & Bailly-Choumara, 1972)	Morocco; Algeria, Spain
juccii Contini, 1966	Italy (Sardinia); Tunisia (?)

Tribe SIMULIINI Newman

SIMULIINI Newman, 1834. Type genus: *Simulium* Latreille
NEVERMANNIINI Enderlein, 1921. Type genus: *Nevermannia* Enderlein
WILHELMINI Baranov, 1926. Type genus: *Wilhelmia* Enderlein
ECTEMNIINAE Enderlein, 1930. Type genus: *Ectemnia* Enderlein
STEGOPTERNINAE Enderlein, 1930. Type genus: *Stegopterna* Enderlein
CNESIINAE Enderlein, 1934. Type genus: *Cnesia* Enderlein
FRIESIINI Enderlein, 1936 (unav., post-1930 family-group name without characterization)
ODAGMIINI Enderlein, 1936 (unav., post-1930 family-group name without characterization)
AUSTROSIMULIINI Smart, 1945. Type genus: *Austrosimulium* Tonnoir
CNEPHIINI Grenier & Rageau, 1960. Type genus: *Cnephia* Enderlein
EUSIMULIINI Rubtsov, 1974. Type genus: *Eusimulium* Roubaud

Genus ARAUCNEPHIA Wygodzinsky & Coscarón

ARAUCNEPHIA Wygodzinsky & Coscarón, 1973 (as genus). Type species: *montana* (original designation)

iberaensis Coscarón & Coscarón-Arias, 2002 Argentina (Corrientes); Brazil (Par)
montana (Philippi, 1865) Chile (Valparaiso, Coq, Maule, San)
nigrum: lapsus for *montanum* [in Lutz, 1909, attrib. Philippi]

Genus ARAUCNEPHIOIDES Wygodzinsky & Coscarón

ARAUCNEPHIOIDES Wygodzinsky & Coscarón, 1973 (as genus). Type species: *schlingeri* (original designation)

schlingeri Wygodzinsky & Coscarón, 1973 Chile (Santiago, Maule, Val)

[Genus ARCHICNEPHIA Currie & Grimaldi]

[ARCHICNEPHIA Currie & Grimaldi, 2000 [in Grimaldi]. Type species: *ornithoraptor* (original designation)]

[ornithoraptor Currie & Grimaldi, 2000 [in Grimaldi]] [USA (New Jersey): Cretaceous amber]

Genus AUSTROSIMULIUM Tonnoir

AUSTROSIMULIUM Tonnoir, 1925 (as genus). Type species: *australense* (original designation)

Subgenus AUSTROSIMULIUM Tonnoir s. str.

albovelatum Dumbleton, 1973 [1972] New Zealand (South Island)
australense (Schiner, 1868) New Zealand (North Island, South Island, Stewart
caecutiens (Walker, 1848) (unav., *nomen nudum*) Island)
tillyardi (Tonnoir, 1923) [New Zealand (South Island)]
australiensis: incorrect subsequent spelling
bicorne Dumbleton, 1973 [1972] New Zealand (South Island)
crobyi Yankovsky, 1996 (unnecessary subst. name)
campbellense Dumbleton, 1973 [1972] Campbell Island
vexans: authors, not Mik
cornutum Tonnoir, 1925 Australia (Victoria, ACT, NSW, Tas)
crassipes Tonnoir, 1925 Australia (Victoria, ACT, NSW, Qld)
dumbletoni Crosby, 1976 New Zealand (South Island)
fulvicorne Mackerras & Mackerras, 1950 Australia (Queensland)
laticorne Tonnoir, 1925 New Zealand (South Island)

alveolatum Dumbleton, 1973 [1972] (ssp.) [New Zealand
(South Island)]

latecorne: incorrect subsequent spelling

longicorne Tonnoir, 1925	New Zealand (South Island, North Island)
mirabile Mackerras & Mackerras, 1948	Australia (Queensland)
montanum Mackerras & Mackerras, 1952	Australia (New South Wales, Vic)
multicorne Tonnoir, 1925	New Zealand (South Island, North Island)
<i>fiordense</i> Dumbleton, 1973 [1972] (ssp.) [New Zealand (South Island)]	
stewartense Dumbleton, 1973 [1972]	New Zealand (Stewart Island, South Island)
tillyardianum Dumbleton, 1973 [1972] (subst. name)	New Zealand (South Island, North Island)
<i>tillyardi</i> Tonnoir, 1925 (preocc. Tonnoir, 1923)	
ungulatum Tonnoir, 1925	New Zealand (South Island, North Island)
unicorne Dumbleton, 1973 [1972]	New Zealand (South Island)
vexans (Mik, 1881)	Auckland Islands (Auckland and Enderby Islands)
'C' Mackerras & Mackerras, 1949 (<i>Austrosimulium</i> sp.)	Australia (Western Australia)

Subgenus **NOVAUSTROSIMULIUM** Dumbleton

NOVAUSTROSIMULIUM Dumbleton, 1973 [1972] (as subgenus of *Austrosimulium*). Type species: *bancrofti* (original designation)

bancrofti (Taylor, 1918) (complex)	Australia (Queensland, ACT, NSW, SA, Tas, Vic, WA)
'Canberra' Ballard & Bedo, 1991 (cytoform)	Australia (ACT)
'Eidsvold A' Ballard & Bedo, 1991 (cytoform)	Australia (Queensland)
'Eidsvold B' Ballard & Bedo, 1991 (cytoform)	Australia (Queensland)
'Eidsvold C' Ballard & Bedo, 1991 (cytoform)	Australia (Queensland)
'Eidsvold D' Ballard & Bedo, 1991 (cytoform)	Australia (Queensland)
'Ipswich A' Ballard & Bedo, 1991 (cytoform)	Australia (New South Wales)
'Ipswich B' Ballard & Bedo, 1991 (cytoform)	Australia (Queensland)
'Willawarin' Ballard & Bedo, 1991 (cytoform)	Australia (Queensland)
furiosum (Skuse, 1889) [1888]	Australia (New South Wales, ACT, Qld, SA, Tas, Vic, WA)
<i>weindorferi</i> Tonnoir, 1925 [Australia (Tasmania)]	
<i>simile</i> Tonnoir, 1925 [Australia (Tasmania)]	
<i>austrosimile</i> (Smart, 1944) (unnecessary subst. name)	
magnum Mackerras & Mackerras, 1955	Australia (Queensland)
pestilens Mackerras & Mackerras, 1948	Australia (Queensland, ACT, NSW, NT)
torrentium Tonnoir, 1925	Australia (Tasmania, ACT, NSW, Vic)
<i>hilli</i> Mackerras & Mackerras, 1949 [1948] (ssp.) [Australia (ACT)]	
victoriae (Roubaud, 1906)	Australia (Victoria, ACT, NSW, Qld, Tas incl. Flinders Island)
<i>tasmaniense</i> Tonnoir, 1925 [Australia (Tasmania)]	

Austrosimulium species unplaced to subgenus

colboi Davies & Györkös, 1988	Australia (Victoria)
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[Genus **BAISOMYIA** Kalugina]

[**BAISOMYIA** Kalugina, 1991 (as genus). Type species: *incognita* (original designation)]

[incognita Kalugina, 1991]	[Siberia (Buryatskaya ES): Lower Cretaceous]
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Genus **CNEPHIA** Enderlein

CNEPHIA Enderlein, 1921 (as genus). Type species: *pecuarum* (original designation)

ASTEGA Enderlein, 1930 (as genus). Type species: *pallipes*, as *lapponica* (original designation)

angarensis Rubtsov, 1956	Siberia (Angara ES)
chaurensis Yankovsky, 2000	Siberia (Taymyrsky ES)
dacotensis (Dyar & Shannon, 1927)	USA (South Dakota, Iowa, Kan, Maine, Mas, Mic, Min, Neb, NH, NJ, NY, Pen, Wis); Canada (Alb, Man, Ont, Que, Sask)
<i>lasciva</i> (Twinn, 1936) [Canada (Ontario)]	
‘A’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<i>dakotense</i> , <i>decotensis</i> : incorrect subsequent spellings	
<i>johanseni</i> : lapsus for <i>dacotensis</i> [Rubtsov, 1960]	
eremites Shewell, 1952	Canada (Northwest Territories incl. Victoria Island, Man, Nun incl. Southampton Island); Finland, Siberia (ES, FE), Sweden, USA (Alaska)
<i>arborescens</i> Rubtsov, 1971 [Siberia (Taymyrsky)]	
‘A’ Twinn, Hocking, McDuffie & Cross, 1948 (<i>Eusimulium</i> sp.)	
<i>enemites</i> , <i>erimites</i> : incorrect subsequent spellings	
intermedia Rubtsov, 1956	Russia (Orenburgskaya CR)
<i>orenburgica</i> Yankovsky, 1996 (unnecessary subst. name)	
ornithophilia Davies, Peterson & Wood, 1962 [1961]	Canada (Ontario, Lab, Nfld, Que); USA (Ala, Ark, Del, Flo, Geo, Kan, Lou, Mar, Mic, Misp, NC, NJ, Okl, Pen, SC, Texas, Vir)
‘near <i>pecuarum</i> ’ Hocking & Richards, 1952 (<i>Cnephia</i>)	
‘U’ Bennett, 1960 (<i>Cnephia</i> sp.)	
<i>ornitophila</i> , <i>ornitophilia</i> : incorrect subsequent spellings	
[<i>dacotensis</i> : authors (Nfld: Avalon Peninsula), not Dyar & Shannon]	
[<i>pecuarum</i> : authors, not Riley]	
pallipes (Fries, 1824)	Norway; Finland, Lithuania, Russia (CR, NR), Sweden, Ukraine, Siberia (?)
<i>lapponica</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>heymonsi</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>lapponica</i> (Enderlein, 1921 [June]) [Sweden]	
<i>heymonsi</i> (Enderlein, 1921 [June]) [Finland]	
<i>andrei</i> Usova & Reva, 2008 (unav., <i>nomen nudum</i>)	
<i>fallipes</i> , <i>pallines</i> , <i>pollipes</i> : incorrect subsequent spellings	
<i>laponica</i> : incorrect subsequent spelling	
pecuarum (Riley, 1887) [1886]	USA (Louisiana, Ark, Ill, Ind, Ken, Misp, Ten, Texas)
‘B’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘C’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<i>pecaurum</i> , <i>pecuarium</i> : incorrect subsequent spellings	
toptchievi Yankovsky, 1996	Ukraine
[<i>lapponica</i> : Rubtsov, 1956, not Enderlein (Ukraine only)]	

Genus CNESIA Enderlein

CNESIA Enderlein, 1934 [1933] (as genus). Type species: *dissimilis*, as *gynandrum* (original designation)

dissimilis (Edwards, 1931)	Argentina (Rio Negro, Chu, Nqn); Chile (Ara, BB, LL incl. Chiloé, Mag, Maule, O’H, San, Val)
<i>gynandrum</i> (Edwards, 1931) [Argentina (Rio Negro)]	
ornata Wygodzinsky & Coscarón, 1973	Argentina (Rio Negro); Chile (Maule)
pusilla Wygodzinsky & Coscarón, 1973	Argentina (Rio Negro, Nqn)

Genus CNESIAMIMA Wygodzinsky & Coscarón

CNESIAMIMA Wygodzinsky & Coscarón, 1973 (as genus). Type species: *atroparva* (original designation)

atroparva (Edwards, 1931)	Argentina (Rio Negro, Nqn, TDF); Chile (LL, Mag incl. Navarino Island and TDF, Maule)
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Genus CROZETIA Davies

CROZETIA Davies, 1965 (as genus). Type species: *crozetensis* (original designation)

NOTIOSIMULIUM Dumbleton (specimen label name, unpublished under Code Article 9.6, hence unav.)

- crozetensis** (Womersley, 1937) Crozet Islands (Possession)
seguyi Beaucournu-Saguez & Vernon, 1990 Crozet Islands (Ile de l'Est, Possession)
 [*crozetense*: Séguy, 1940, not Womersley]

Genus ECTEMNIA Enderlein

ECTEMNIA Enderlein, 1930 (as genus). Type species: *taeniatifrons* (original designation)

- [**cerberus** (Enderlein, 1921 [July])] [Russia (Kaliningrad): Oligocene (Baltic amber)]
 [*cerberus* (Enderlein, 1921 [April]) (unav., *nomen nudum*)]
invenusta (Walker, 1848) Canada (Ontario, Alb, Que); USA (Maine, Mas, Mic,
loisae (Stone & Jamnback, 1955) [USA (New York)] Min, NC, NH, NJ, NY, Pen, SC, Wis)
 ? 'Nov. sp.' Jamnback, 1951 (thesis)
 '1' Jamnback, 1953 (thesis) (*Cnephia* sp.)
[lithuanica Yankovsky & Bernotiene, 2005]..... [Lithuania: Oligocene (Baltic amber)]
primaeva Moulton & Adler, 1997 USA (South Carolina, Ala, Flo, Geo, NC, Texas, Vir)
 'p' Adler in Crosskey, 1994 (*Ectemnia*)
reclusa Moulton & Adler, 1997 USA (South Carolina, Geo, NC)
 'r' Adler in Crosskey, 1994 (*Ectemnia*)
 [*invenusta*: authors (South Carolina), not Walker]
taeniatifrons (Enderlein, 1925) USA (Illinois, Iowa, Kan, Mic, Min, Wis); Canada (Alb,
 Man, Sask)

Genus GIGANTODAX Enderlein

GIGANTODAX Enderlein, 1925 (as genus). Type species: *bolivianus* (original designation)

ARCHICNESIA Enderlein, 1934 [1933] (as genus). Type species: *femineus* (original designation)

ARCHINESIA: incorrect subsequent spelling

BROPHYI species-group

- antarcticus** (Bigot, 1888) 'Tierra del Fuego'; Argentina (Chu, Nqn, RN, SC,
nigrescens (Edwards, 1931) [Argentina (Rio Negro)] TDF), Chile (Aisén, BB, Mag incl. TDF)
awa Wygodzinsky & Coscarón, 1989 Peru (Cuzco)
brophyi (Edwards, 1931) Argentina (Rio Negro, Chu, Nqn, SC, TDF); Chile
bonorinorum Coscarón & Wygodzinsky, 1962 [Argentina (Aisén, Mag incl. TDF)
 (Tierra del Fuego)]
bonarissorum, *bonorinorus*: incorrect subsequent spellings
bonorinonum: incorrect original spelling [alternative]
brophii: incorrect subsequent spelling
chilensis (Philippi, 1865) Chile (Los Lagos, Aisén, Ara, BB, Mag, Maule);
rufinotum (Edwards, 1931) [Argentina (Rio Negro)] Argentina (Chu, Nqn, RN, TDF: Isla de los Estados)
femineus (Edwards, 1931) Argentina (Rio Negro, Nqn); Chile (Mag)
flabellus Wygodzinsky & Coscarón, 1989 Ecuador; Venezuela
 '3' Takaoka, 1987 (*Gigantodax* sp.)
flabellus Takaoka, Hirai & Tada, 1988 (unav., *nomen nudum*)
kuscheli Wygodzinsky, 1952 Chile (Juan Fernandez Islands)
laevigatus Wygodzinsky & Coscarón, 1989 Ecuador
luispenai Wygodzinsky & Coscarón, 1989 Chile (Coquimbo)
marginalis (Edwards, 1931) Chile (Los Lagos [Chiloé], Ara, BB, Maule, San, Val);
tarsatus Philippi, 1865 (preocc.) [Chile (Santiago)] Argentina (Chu, Nqn, RN)
philippianus Pinto, 1932 [1931] (subst. name)
multituberculatus Wygodzinsky & Coscarón, 1989 Colombia; Ecuador
ortizi Wygodzinsky, 1974 [1973] Venezuela; Colombia
osornorum Muñoz de Hoyos, Martínez, Mejía &
 Bueno, 1995 [*in* Muñoz de Hoyos] Colombia

paramorum Wygodzinsky & Coscarón, 1989	Colombia
patihuaycensis Wygodzinsky & Coscarón, 1989	Peru (Junín)
rufidulus Wygodzinsky & Coscarón, 1989	Argentina (Neuquén, Chu, RN, SC, TDF); Chile (Mag)
trifidus Wygodzinsky & Coscarón, 1989	Chile (Santiago); Argentina (Men, Nqn, RN)
‘trifidum’ Coscarón, 1981	
viannamartinsi Ramírez-Pérez, 1980	Venezuela
zumbahuae Wygodzinsky & Coscarón, 1989	Ecuador; Colombia

CILICINUS species-group

arrarteorum Wygodzinsky & Coscarón, 1989	Peru (Junín)
basinflatus Wygodzinsky & Coscarón, 1989	Colombia; Ecuador
cilicinus Wygodzinsky & Coscarón, 1989	Argentina (San Juan); Bolivia
clandestinus Wygodzinsky & Coscarón, 1989	Ecuador
‘4’ Takaoka, 1987 (<i>Gigantodax</i> sp.)	
destitutus Wygodzinsky & Coscarón, 1989	Colombia; Venezuela
fulvescens (Blanchard, 1852)	Chile ([no type loc.], Ara, BB, Coq, LL incl. Chiloé, Maule, O’H, San, Val); Argentina (Chu, Nqn, RN)
incomitatus Wygodzinsky & Coscarón, 1989	Venezuela
lazo Takaoka, Hirai & Tada, 1988	Ecuador
‘1’ Takaoka, 1987 (<i>Gigantodax</i> sp.)	
mariobordai Wygodzinsky & Coscarón, 1989	Bolivia
pennipunctus Enderlein, 1934	Peru (Cuzco)
shannoni (Edwards, 1931)	Argentina (Rio Negro, Nqn); Chile (Ara, BB, LL, Maule, San)

CORMONSI species-group

abalosi Wygodzinsky, 1958	Peru (Lima)
brevis Wygodzinsky & Coscarón, 1989	Colombia
cormonsi Wygodzinsky & Coscarón, 1989	Peru (Junín, Cuzco)
‘No. 3’ Brues, 1915 (<i>Simulium</i>)	
gracilis Wygodzinsky & Coscarón, 1989	Ecuador
leonorum Wygodzinsky & Coscarón, 1989	Ecuador; Colombia
misitu Wygodzinsky & Coscarón, 1989	Ecuador; Colombia
praealtus Wygodzinsky & Coscarón, 1989	Chile (Tarapacá)
siberianus Wygodzinsky & Coscarón, 1989	Colombia
vulcanius Wygodzinsky & Coscarón, 1989	Ecuador
‘2’ Takaoka, 1987 (<i>Gigantodax</i> sp.)	
<i>vulcanius</i> Takaoka, Hirai & Tada, 1988 (unav., <i>nomen nudum</i>)	
wygodzinskyi Moncada, Muñoz de Hoyos & Bueno, 1981	Colombia

IGNICULUS species-group

carmenae Wygodzinsky & Coscarón, 1989	Argentina (Rio Negro)
‘carmenae’ Coscarón, 1981	
igniculus Coscarón & Wygodzinsky, 1962	Argentina (TDF, Nqn, RN, SC); Chile (Aisén, Ara, BB, Mag, Maule)

MINOR species-group

araucauius (Edwards, 1931)	Chile (Los Lagos incl. Chiloé [type loc.], Aisén, Ara, BB, Mag); Argentina (RN, TDF: Isla de los Estados)
bolivianus Enderlein, 1925	Bolivia
eremicus Wygodzinsky & Coscarón, 1989	Chile (Atacama)
‘eremicum’ Coscarón, 1981	
minor Wygodzinsky & Coscarón, 1989	Chile (Maule, Ara, BB, Coq, LL incl. Chiloé, O’H, San); Argentina (Nqn, RN)
‘minor’ Coscarón, 1981	

MULTIFILIS species-group

multifilis Wygodzinsky & Coscarón, 1989 Ecuador; Colombia

WRIGHTI species-group

adleri Moulton, 1996 USA (Arizona, NM)
aquamarensis (De León, 1945) Guatemala
bettyae Wygodzinsky, 1974 [1973] Venezuela
bierigi Vargas & Ramírez-Pérez, 1989 [1988] Costa Rica
cervicornis Wygodzinsky, 1974 [1973] Colombia; Ecuador, Venezuela
cervicornis: incorrect subsequent spelling
conviti Ramírez-Pérez, 1980 Venezuela
corniculatus Wygodzinsky, 1974 [1973] Venezuela
cypellus Wygodzinsky & Coscarón, 1989 Ecuador; Colombia
‘5’ Takaoka, 1987 (*Gigantodax* sp.)
cypellus Takaoka, Hirai & Tada, 1988 (unav., *nomen nudum*)
dryadicaudicis Wygodzinsky & Coscarón, 1989 Chile (Maule); Argentina (Nqn)
herreri Wygodzinsky & Coscarón, 1989 Peru (Lima, Cuzco, Junín); Chile (Tarapacá)
‘No. 2’ (larva) Brues, 1915 (*Simulium*)
‘No. 4’ Brues, 1915 (*Simulium*)
herreri: incorrect subsequent spelling
bolivianus: Wygodzinsky, 1958, not Enderlein]
horcotiani Wygodzinsky, 1949 Argentina (Tucumán, Jujuy); Bolivia
impossibilis Wygodzinsky, 1974 [1973] Venezuela
incapucara Wygodzinsky & Coscarón, 1989 Peru (Cuzco); Bolivia
nasutus Wygodzinsky & Coscarón, 1989 Colombia
rufescens (Edwards, 1931) Argentina (Rio Negro, Nqn, TDF incl. Isla de los
wittmeri Wygodzinsky, 1951 [Argentina (Rio Negro)] Estados); Chile (Ara, BB, Maule, O’H, Val)
septenarius Wygodzinsky & Coscarón, 1989 Colombia
willei Vargas & Ramírez-Pérez, 1989 [1988] Costa Rica
wrighti (Vargas, Martínez Palacios & Díaz Nájera, 1944) Mexico (Federal District, Ch, Mx, Ox, Vz); Guatemala
vargasi (De León, 1945) [Guatemala]
‘D’ De León, 1943 (*Simulium* sp.)

Unplaced names in *Gigantodax*

‘cuyano’ Coscarón, 1981 ‘Andino-patagónica: Andino’
‘dryadibranchium’ Coscarón, 1981 ‘Araucana: Austral Cordillerano’
‘pucara’ Coscarón, 1981 ‘Araucana: Austral Cordillerano’

Genus GRENIERA Doby & David

GRENIERA Doby & David, 1959 (as genus). Type species: *fabri* (original designation)

ABDITA species-group

abdita (Peterson, 1962) Canada (Ontario, Que); USA (Mas, NH, NY, Pen)
abditoides (Wood, 1963) [1962] Canada (Ontario, BC, Man, NWT); USA (Mas)
humeralis Currie, Adler & Wood, 2004 [*in* Adler, Currie & Wood] USA (California, Ore); Canada (BC)
‘sp.’ and ‘undescribed’ Peterson, 1981 (*Greniera*)

FABRI species-group

brachiata (Rubtsov, 1961) Russia (Karelia KM)
denaria (Davies, Peterson & Wood, 1962) [1961] Canada (Ontario, Alb, BC, Man, NB, Que, Yukon);
? ‘L’ Wolfe & Peterson, 1959 (*Cnephia*) USA (Col, Utah, Was)
dobyi Beaucourmu-Saguez & Braverman, 1987 Syria (Golan)

fabri Doby & David, 1959	France; Algeria, Italy (incl. Sardinia), Morocco, Spain
‘aff. <i>fabri</i> ’ Rivosecchi, 1963 (<i>Greniera</i> sp.)	
ivanovae (Ivashchenko, 1970)	Russia (Ivanovo CR); Finland
longicornis Currie, Adler & Wood, 2004 [<i>in</i> Adler, Currie & Wood]	USA (Delaware, Flo)
‘1’ Pinkovsky, 1976 (thesis) / Pinkovsky & Butler, 1978 (<i>Cnephia</i> sp.)	
michiganensis Taber, 2008	USA (Michigan)
nairica Terteryan, 1972	Armenia
<i>naurica</i> : incorrect subsequent spelling	
poljakovae (Patrusheva, 1977)	Siberia (Tomskaya WS)
zverevae Rubtsov, 1964	Russia (Komi NR)
‘F’ Adler, Currie & Wood, 2004 (<i>Greniera</i> sp.)	USA (California)

***Greniera* species unplaced to group**

[affinis (Meunier, 1904 [1903])]	[Russia (Kaliningrad): Oligocene (Baltic amber)]
[<i>meunieri</i> Smart, 1944 (unnecessary subst. name)]	
[importuna (Meunier, 1904 [1903])]	[Russia (Kaliningrad): Oligocene (Baltic amber)]
[pulchella (Meunier, 1904 [1903])]	[Russia (Kaliningrad): Oligocene (Baltic amber)]

[Genus GYDARINA Kalugina]

[**GYDARINA** Kalugina, 1991 (as genus). Type species: *karabonica* (original designation)]

[karabonica Kalugina, 1991]	[Siberia (Chitinskaya ES): Lower Cretaceous]
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Genus LUTZSIMULIUM d’Andretta & d’Andretta

LUTZSIMULIUM d’Andretta & d’Andretta, 1947 [1946] (as genus). Type species: *hirticosta*, as *cruzi* (original designation)

Subgenus KEMPFSIMULIUM Py-Daniel & Nunes de Mello

KEMPFSIMULIUM Py-Daniel & Nunes de Mello, 1982 [in Py-Daniel] (as genus). Type species: *simplicicolor* (original designation)

simplicicolor (Lutz, 1910)	Brazil (Rondônia, MGr, Pará)
<i>rondonense</i> Py-Daniel, 1982 (unav., <i>nomen nudum</i>)	
<i>hebeticolor</i> : incorrect original spelling (lapsus for <i>simplicicolor</i>)	

Subgenus LUTZSIMULIUM d’Andretta & d’Andretta s. str.

flavopubescens (Lutz, 1910)	Brazil (Rio de Janeiro)
hirticosta (Lutz, 1909)	Brazil (São Paulo, Par, RGS, RJ, SC); Argentina (Mis)
<i>cruzi</i> d’Andretta & d’Andretta, 1947 [1946] [Brazil (São Paulo)]	
pernigrum (Lutz, 1910)	Brazil (São Paulo, MG, RGS, RJ); Argentina (Cos)
[<i>montanum</i> : Lutz, 1909, not Philippi]	

Genus METACNEPHIA Crosskey

METACNEPHIA Crosskey, 1969 (as genus). Type species: *saileri* (original designation)

aldanica Vorobets, 1987	Siberia (Yakutskaya ES)
amphora Ladle & Bass, 1975	Britain (England); France
‘III’ Grenier & Rageau, 1948 [<i>in</i> Grenier] (<i>Simulium</i> sp.)	

	[<i>tredecimata</i> : Grenier & Rageau, 1951 / Grenier, 1953, not Edwards]	
amsheevi	Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
aspinosa	Rubtsov, 1973	Siberia (Maritime FE)
baicalica	Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
bilineata	(Rubtsov, 1940)	Siberia (Tyumen WS); Russia (NR)
blanci	(Grenier & Theodorides, 1953)	Morocco; Algeria, France, Italy (Sicily), Macedonia, Portugal, Romania, Serbia, Spain, Tunisia
	? <i>lesnei</i> (Séguy, 1925) [France]	
borealis	(Malloch, 1919)	Canada (Northwest Territories [Victoria Island] incl. Banks Island, Lab, Nun incl. Baffin and Southampton Islands, Ont, Que); Siberia (FE)
	<i>arctocanadensis</i> Yankovsky, 1996 (unnecessary subst. name)	
	'3' Malloch, 1919 (<i>Simulium</i> sp.)	
	'indet.' Edwards, 1933 (<i>Simulium</i> (<i>Cnephia</i>) sp.)	
	'X' Davies, 1950 (<i>Cnephia</i> sp.)	
	[<i>tredecimata</i> : Bodrova, 1980, not Edwards]	
breevi	(Rubtsov, 1956)	Russia (Solovets Island NR)
burjatica	Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
coloradensis	Peterson & Kondratieff, 1995 [1994]	USA (Colorado)
	'near <i>jeanae</i> ' Bushnell, Foster & Wahle, 1987 (<i>Metacnephia</i> sp.)	
	'new species' Peterson, 1989 (<i>Metacnephia</i>)	
cuspidata	Vorobets, 1987	Siberia (Yakutskaya ES)
danubica	(Rubtsov, 1956)	'Danube River'; Romania, 'Yugoslavia'
edwardsiana	(Rubtsov, 1940)	Siberia (Magadanskaya FE, ES, WS); China (IM, Xi), Mongolia
	<i>lanata</i> (Takahasi, 1940) [China (Inner Mongolia)]	
	<i>edwardsisana</i> , <i>edwardsiana</i> : incorrect subsequent spellings	
	<i>lamata</i> : incorrect subsequent spelling	
fuscipes	(Fries, 1824)	Sweden; Hungary, Norway, Russia (KM)
gorodkovi	(Rubtsov, 1964)	Tajikistan
hajotsdzorensis	(Terteryan, 1962)	Armenia
	<i>hajotsdzdrensis</i> : incorrect original spelling	
	<i>hajotsdorensis</i> : incorrect subsequent spelling	
hamardabanae	Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
jeanae	(DeFoliart & Peterson, 1960)	USA (Utah, Cal, Col, Wyo)
	<i>macrocerca</i> (Peterson, 1958) (thesis) (unav., <i>nomen nudum</i>)	
karakechensis	Yankovsky, 2000	Kyrgyzstan
kirjanovae	(Rubtsov, 1956)*	Tajikistan; China (Xi), Kazakhstan, Kyrgyzstan, Mongolia, Siberia (Altai WS), Uzbekistan. [? = <i>saileri</i>]
	<i>kirjanovae</i> , <i>kijanovae</i> , <i>kirjanae</i> , <i>kirjonavae</i> : incorrect subsequent spellings	
korsakovi	(Rubtsov, 1956)	Russia (Vologda CR, NR); Siberia (WS)
larunae	Vorobets, 1984	Siberia (Yakutskaya ES)
luttae	Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
lyra	(Lundström, 1911)	Finland; Germany, Norway, Russia (CR, KM, NR), Siberia (WS), Sweden. [Other records in error]
	<i>tabescentifrons</i> (Enderlein, 1929) [Sweden]	
	<i>brevis</i> (Rubtsov, 1956) [Russia ('northern Urals')]	
	<i>trigoniformis</i> Yankovsky, 2003 [2002] (unav. under <i>Code</i> Article 16.4.1; no type)*	
	<i>lypa</i> : incorrect subsequent spelling	
	<i>tabescetifrons</i> : incorrect subsequent spelling	
	[<i>trigonia</i> : Rubtsov, 1956, not Lundström]	
lyrata	(Rubtsov, 1956)	Siberia (Irkutskaya ES)
mirzaevae	Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
multifilum	(Rubtsov, 1947)	Tajikistan; Kyrgyzstan, Uzbekistan
	<i>multifiis</i> , <i>multifilla</i> , <i>multipilis</i> : incorrect subsequent spellings	
nigra	(Rubtsov, 1940)	Azerbaijan (Nakhichevan); Romania, Russia (Caucasus), Turkmenistan
	<i>saxicola</i> (Rubtsov, 1956) [Russia (Caucasus)]	
	<i>nigrasexicola</i> : incorrect subsequent spelling	
nuragica	Rivosecchi, Raastad & Contini, 1975	Italy (Sardinia); Portugal, Spain, Morocco (?)
	[<i>tredecimata</i> : Contini, 1963 (Sardinia), not Edwards]	
olyutorii	Yankovsky, 2000	Siberia (Kamchatka FE)
pamiriensis	Petrova, 1977	Tajikistan
paraskevae	Petrova, Chubareva & Kachvoryan, 1995	Tajikistan

pectinata Patrusheva, 1976	Siberia (Tyumen WS)
pedipupalis (Rubtsov, 1947)	Kazakhstan
persica (Rubtsov, 1940)	Iran; Armenia, Azerbaijan, Kazakhstan, Romania, Turkmenistan, Uzbekistan
<i>hirta</i> (Rubtsov & Terteryan, 1954) [Armenia]	
ramificata (Rubtsov, 1956)	Siberia (Khabarovsk FE); Mongolia, Romania, Uzbekistan
<i>parapallipes</i> Bobrova, 1980 [Siberia (Khabarovsk)]	
romaschovae Bodrova, 1987	Siberia (Tubinskaya WS)
saileri (Stone, 1952)	USA (Alaska); Canada (Alb, BC, Man, Nun incl. Baffin Island, NWT, Que, Yukon), Finland, Norway, Russia (NR), Siberia (WS), Sweden
<i>becherii</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	
‘III’ Puri, 1926 (<i>Simulium</i> sp.)	
‘C’ Twinn, Hocking, McDuffie & Cross, 1948 (<i>Eusimulium</i> sp.)	
‘D’ Hocking, 1950 (<i>Cnephia</i> sp.)	
‘H’ Madahar, 1967 (thesis) / Rothfels, 1979	
‘IIS-2’ Procnunier, 1982 (cytoform)	
‘near <i>saileri</i> ’ Craig, 1974 (<i>Metacnephia</i> sp.)	
‘Tuk’ Procnunier, 1980 (thesis) (cytoform)	
‘IIL-3 + 4, IIL-3, 5’ Procnunier, 1982 (cytoform)	
[<i>pallipes</i> : Rubtsov, 1956 / Currie, 1986, not Fries]	
sardoa (Rivosecchi & Contini, 1965)	Italy (Sardinia)
saskatchewanana (Shewell & Fredeen, 1958)	Canada (Saskatchewan, Alb, BC, Man, Nun, NWT, Que, Yukon)
‘N’ Fredeen, 1951 (thesis) / Hocking & Pickering, 1954 (<i>Cnephia</i> sp.)	
sedecimfistulata Rubtsov, 1976	Kazakhstan
<i>dzhungarica</i> Yankovsky, 1996 (unnecessary subst. name)	
shirapovi Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
slepjani (Rubtsov, 1967)	Turkmenistan
sommermanae (Stone, 1952)	USA (Alaska); Canada (Yukon), Siberia (ES, FE, WS), Uzbekistan, Romania (?)
<i>crassifistula</i> (Rubtsov, 1956) [Siberia (Altai)]	
<i>crassifictua</i> , <i>crassifistulata</i> : incorrect subsequent spellings	
<i>sommermane</i> : incorrect subsequent spelling	
[<i>borealis</i> : Jenkins, 1948, not Malloch]	
sorkulensis Rubtsov, 1971	Tajikistan/Afghanistan frontier
subalpina (Rubtsov, 1956)	Azerbaijan; Armenia, Georgia, Turkey
taimyrica Patrusheva, 1976	Siberia (Krasnoyarsk ES)
tamarinae Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
terterjani (Rubtsov, 1955)	Armenia
tetraginata (Rubtsov, 1951)	Turkmenistan; Kazakhstan, Tajikistan
<i>tetragintatum</i> : incorrect original spelling	
tredecimata (Edwards, 1920)	[Unknown: not ‘England’]; Finland, Norway, Russia (KM), Sweden. [Other records in error]
trispina Rubtsov, 1973	Siberia (Maritime FE)
uzunovi Kovachev, 1985	Bulgaria
<i>usunovi</i> : incorrect subsequent spelling	
variabilis Rubtsov, 1976	Tajikistan
<i>variabilis</i> , <i>veriafilis</i> : incorrect original spellings	
vestita (Enderlein, 1929)	Sweden
villosa (DeFoliart & Peterson, 1960)	USA (Wyoming, Cal, Mon, Utah); Canada (Alb, BC, Yukon)
<i>freytagi</i> (DeFoliart & Peterson, 1960) [USA (Wyoming)]	
[<i>borealis</i> : authors (western USA), not Malloch]	
‘Crete’ Procnunier, 1982 (<i>Metacnephia</i>)	Greece (Crete). [? = <i>uzunovi</i>]

Genus PARACNEPHIA Rubtsov

PARACNEPHIA Rubtsov, 1962 (as genus). Type species: *muspratti* (original designation)

Subgenus PARACNEPHIA Rubtsov s. str.

BRINCKI species-group

brincki (De Meillon, 1955) South Africa (Western Cape)

MUSPRATTI species-group

barnardi (Gibbins, 1938) South Africa (Western Cape)

harrisoni (Freeman & De Meillon, 1953) South Africa (Western Cape)

herero (Enderlein, 1935) Namibia

muspratti (Freeman & De Meillon, 1953) South Africa (Western Cape)

thornei (De Meillon, 1955) South Africa (Western Cape)

Subgenus PROCNEPHIA Crosskey

PROCNEPHIA Crosskey, 1969 (as subgenus of *Prosimulium*). Type species: *rhodesiana* (original designation)

damarensis (De Meillon & Hardy, 1951) Namibia

morotoensis McCrae & Prentice, 1965 Uganda

rhodesiana (Crosskey, 1968) Zimbabwe

***Paracnephia* species unplaced to subgenus (Australian ‘*Cnephia*’ of authors)**

aurantiaca (Tonnoir, 1925) Australia (New South Wales, Qld, Tas, Vic)

fergusoni (Tonnoir, 1925) Australia (New South Wales, SA, WA)

occidentalis (Mackerras & Mackerras, 1949) (‘var.’) [Australia
(Western Australia)]

fergussoni: incorrect subsequent spelling

fuscoflava (Mackerras & Mackerras, 1948) Australia (Queensland)

gladiator Moulton & Adler, 2004 [*in* Moulton, Adler & Prince] Australia (Western Australia)

‘B’ Rothfels, 1979 (*Cnephia* cytoform, attrib. Bedo)

orientalis (Mackerras & Mackerras, 1950) Australia (Queensland, ACT, NSW, Tas, Vic)

pilfreyi (Davies & Györköös, 1988) Australia (Australian Capital Territory)

strenua (Mackerras & Mackerras, 1950) Australia (Queensland)

strenna: incorrect subsequent spelling

terebrans (Tonnoir, 1925) Australia (Victoria, NSW)

tonnoiri (Drummond, 1931) (complex) Australia (Western Australia, Tasmania)

umbratora (Tonnoir, 1925) Australia (Victoria)

‘A’ Mackerras & Mackerras, 1949 (*Cnephia* sp.) Australia (Western Australia)

nigrum (Mackerras & Mackerras, 1949) (preocc.) [Australia
(Western Australia)]

‘A’ Rothfels, 1979 (*Cnephia* cytoform, attrib. Bedo) Australia (Queensland)

Genus PARAUSTROSIMULIUM Wygodzinsky & Coscarón

PARAUSTROSIMULIUM Wygodzinsky & Coscarón, 1962 (as subgenus of *Austrosimulium*). Type species:

anthracinum (original designation)

anthracinum (Bigot, 1888) Chile (Magallanes incl. Hoste Island [type loc.], Navarino

moorei (Silva Figueroa, 1917) [Chile (Aisén)] Island and TDF mainland, Aisén, Ara, LL incl. Chiloé);

Argentina (Nqn, RN, TDF incl. Isla de los Estados)

Genus PEDROWYGOMYIA Coscarón & Miranda-Esquivel

PEDROWYGOMYIA Coscarón & Miranda-Esquivel, 1998 (as genus)*. Type species: *cortesi* (original designation)

chacabamba Wygodzinsky & Coscarón, 1989	Peru (Junín)
cortesi Wygodzinsky & Coscarón, 1989	Chile (Tarapacá)
‘cortesi’ Coscarón, 1981	
jatunchuspi Wygodzinsky & Coscarón, 1989	Chile (Tarapacá)
‘jatunchuspi’ Coscarón, 1981	
punapi Wygodzinsky & Coscarón, 1989	Argentina (Jujuy); Bolivia, Chile (Tarapacá)
‘punapi’ Coscarón, 1981	

Genus SIMULIUM Latreille

SIMULIUM Latreille, 1802 (as genus). Type species: *colombaschense* (monotypy)

SIMULIA: incorrect subsequent spelling (originally from Olfers, 1816)

[*MELUSINA*: authors, from Hendel (1908), error based on type misidentification]

[*ATRACTOCERA*: Meigen, 1803, 1804 (misidentified), ICZN Opinion 1174]

Subgenus AFROSIMULIUM Crosskey

AFROSIMULIUM Crosskey, 1969 (as genus). Type species: *garipeuse* (original designation)

garipeuse De Meillon, 1953	South Africa (Free State, EC, NC); Lesotho, Namibia
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Subgenus ANASOLEN Enderlein

ANASOLEN Enderlein, 1930 (as genus). Type species: *dentulosum*, as *adolffriedericianus* (original designation)

bisnovem Gibbins, 1938	Uganda; Democratic Republic of Congo
<i>edwardsi</i> Gibbins, 1937 (unav., <i>nomen nudum</i>)	
<i>bisnoveum</i> : incorrect subsequent spelling	
dentulosum Roubaud, 1915	Uganda; Angola, Burkina Faso, Cameroon, Democratic Republic of Congo, Equatorial Guinea (Bioko), Eritrea, Ethiopia, Ghana, Guinea, Kenya, Lesotho, Malawi, Nigeria, Rwanda, São Tomé and Príncipe (Príncipe, São Tomé), Sierra Leone, South Africa (EC, G, KZN, L, M, WC), Sudan, Swaziland, Tanzania, Togo, Uganda, Zimbabwe. [‘Britain’ error]
<i>gilvipes</i> Pomeroy, 1920 [Cameroon]	
<i>adolffriedericianum</i> (Enderlein, 1930) [Rwanda]	
<i>ruwenzoriense</i> Gibbins, 1934 [Uganda]	
<i>emfulae</i> De Meillon, 1937 [South Africa (KwaZulu Natal)]	
<i>britannicum</i> Davies, 1966 [? East Africa, ‘Britain’ error]	
<i>trifurcatum</i> Fain, Bafort & Silberstein, 1976 (ssp.) [Kenya]	
<i>altissimum</i> Fain, Bafort & Silberstein, 1977 (ssp.) [Kenya]	
<i>bambusicola</i> Fain, Bafort & Silberstein, 1977 (ssp.) [Kenya]	
‘Mbabo’ Fain & Elsen, 1973 (morphoform)	
<i>dentusolum</i> : incorrect subsequent spelling	
<i>ruvenzoreuse</i> : incorrect subsequent spelling	
heptaspicae Gouteux, 1977	Democratic Republic of Congo
kauntzeum Gibbins, 1938	Uganda; Democratic Republic of Congo
<i>kauntzeum</i> Gibbins, 1936 (unav., <i>nomen nudum</i>)	
masabae Gibbins, 1934	Uganda
ngabogei Fain, 1950	Rwanda
nili Gibbins, 1934	Uganda; Ethiopia, Kenya, Saudi Arabia (Asir), Yemen
octospicae Gibbins, 1937	Uganda
rhodesiense De Meillon, 1942	Zimbabwe
shoae Grenier & Ovazza, 1956	Ethiopia
voltae Grenier, Ovazza & Valade, 1960	Ivory Coast

Subgenus ASIOSIMULIUM Takaoka & Choochote

ASIOSIMULIUM Takaoka & Choochote, 2005 (as subgenus of *Simulium*). Type species: *oblongum* (original designation)

- oblongum** Takaoka & Choochote, 2005 Thailand
 ‘E’ Phasuk, 2006 (thesis) (*Simulium* sp.)
wanchaii Takaoka & Choochote, 2006 Thailand
 ? ‘D’ Phasuk, 2006 (thesis) (*Simulium* sp.)

Subgenus ASPATHIA Enderlein

ASPATHIA Enderlein, 1935 (as genus). Type species: *hunteri* (original designation)

JALACINGOMYIA Py-Daniel, 1994 [in Py-Daniel & Moreira Sampaio] (as genus). Type species: *anduzei* (original designation)

- anduzei** Vargas & Díaz Nájera, 1948 Mexico (Veracruz, FD, Ox); Guatemala, USA (Ari, NM)
patziciaense Takaoka & Takahasi, 1982 [Guatemala]
patzicianense: incorrect subsequent spelling
bustosi Vargas, Martínez Palacios & Díaz Nájera, 1946 Mexico (Veracruz, Ox)
costalimai Vargas, Martínez Palacios & Díaz Nájera, 1946 Mexico (Morelos, Ox)
 [*jacumbae*: Vargas *et al.*, 1943, not Dyar & Shannon]
covagarciai Ramírez-Pérez, Yarzabal, Takaoka, Tada &
 Ramírez, 1984 Venezuela
hechti Vargas, Martínez Palacios & Díaz Nájera, 1946 Mexico (Federal District, Du, Mo); USA (Ari, NM)
hetchi: incorrect subsequent spelling
 [*sayi*: Vargas *et al.*, 1943, not Dyar & Shannon]
horacioi Okazawa & Onishi, 1980 Guatemala; Mexico (Chiapas, Ox), Panama, Venezuela
 ‘H’ Conn, 1988 (*metallicum* cytoform)
hunteri Malloch, 1914 USA (Colorado, Alaska, Ari, Cal, Idaho, Mon, Nev, NM,
 Oregon, SD, Texas, Utah, Was, Wyo); Canada (Alb,
 BC incl. Queen Charlotte Islands, Sask, Yukon),
 Mexico (FD, Gj, Mi, MS, Vz)
lassmanni Vargas, Martínez Palacios & Díaz Nájera, 1946
 [Mexico (Mexico State)]
iriartei Vargas, Martínez Palacios & Díaz Nájera, 1946 Mexico (Federal District, Du, Gu, Ox, Vz); USA (Ari,
 NM)
 [*hirtipes*: Vargas, 1943, not Fries]
jacumbae Dyar & Shannon, 1927 USA (California, Ari, Col, Kan, Neb, Nev, Texas, Wyo);
 Guatemala, Mexico (Ch, Hi, Ja, Mi, Ox, Vz)
guatemalense De León, 1945 [1944] [Guatemala]
 ‘nr. *abditoides*’ Snyder & Huggins, 1980 (*Cnephia*)
jobbinsi Vargas, Martínez Palacios & Díaz Nájera, 1946 Mexico (Chiapas, Ox, Vz); Guatemala
jobinsi: incorrect subsequent spelling
kompi Dalmat, 1951 Guatemala; Mexico (Ch)
marquezi Vargas & Díaz Nájera, 1957 Mexico (Federal District, Ca, Mo)
marquesi: incorrect subsequent spelling
 [*vandalicum*: Vargas, 1945 / Vargas *et al.*, 1946,
 not Dyar & Shannon]
matteabanchium Anduze, 1947 Venezuela; Colombia, Mexico (? state)
metallicum Bellardi, 1859 [1861] (complex) Mexico ([no type loc.], Ca, Ch, Co, Du, Gu, Hi, Ja, Mi,
 Mo, MS, Na, NL, Ox, Pu, Si, SLP, So, Ta, Tb, Vz);
 Belize, Brazil (Ror, SP), Colombia, Costa Rica,
 Ecuador, El Salvador, French Guiana, Guatemala,
 Honduras, Jamaica, Nicaragua, Panama, Peru (Huá,
 Piura), Trinidad, Venezuela
riveti Roubaud, 1906 [Ecuador]
nitidum Malloch, 1912 [Peru (Piura)]
versicolor Lutz & Nuñez Továr, 1928 [in Lutz] [Venezuela]
avidum Hoffmann, 1930 [Mexico (Chiapas)]
violascens Enderlein, 1934 [Mexico (? state)]
 ‘A’ Hirai, 1983 / Conn, 1988 (cytoform, typical) Guatemala, Mexico
 ‘B’ Hirai, 1983 / Conn, 1988 (cytoform) Guatemala, Mexico
 ‘C’ Conn, 1988 (cytoform) Colombia
 ‘D’ Conn, 1988 (cytoform) Venezuela
 ‘Margarita’ Hirai, 1985 (cytoform)
 ‘Merida’ Hirai, 1985 (cytoform)
 ‘E’ Conn, 1988 (cytoform) Venezuela
 ‘Maturin’ Hirai, 1985 (cytoform)

'F' Conn, 1988 (cytoform)	Panama
'G' Conn, 1988 (cytoform)	Costa Rica
'I' Conn, 1988 (cytoform)	Guatemala, Mexico
'J' Conn, 1988 (cytoform)	Panama
'K' Conn, 1988 (cytoform)	Panama
'X' Millest, 1989 (thesis) (cytoform)	Mexico (Oaxaca)
'L' Arteaga & Muñoz de Hoyos, 1999 (cytoform)	Colombia
morae Ramírez-Pérez, Rassi & Ramírez, 1977	Venezuela
parrai Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz, Ox); Guatemala
piperi Dyar & Shannon, 1927	USA (Washington, Ari, Cal, Col, Idaho, Mon, Neb, Nev, NM, Ore, SD, Texas, Utah, Wyo); Canada (Alb, BC, Sask), Mexico (FD)
<i>sayi</i> Dyar & Shannon, 1927 [USA (Colorado)]	
<i>knowltoni</i> Twinn, 1938 [USA (Utah)]	
<i>stonei</i> Stains & Knowlton, 1943 [USA (Utah)]	
puigi Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Chiapas, Ag, Ox, Vz); Costa Rica, Guatemala, USA (NM)
putre Coscarón & Matta, 1982	Chile (Tarapacá)
racenisi Ramírez-Pérez, 1971	Venezuela
'G' Lewis & Ibáñez Aldecoa, 1962 / Lewis, 1963 (<i>Simulium</i> sp.)	
ruizi Vargas & Díaz Nájera, 1948	Mexico (Veracruz, MS, Ox)
sandyi Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1999	Mexico (Mexico State/Morelos)
spilmani Stone, 1969	Dominica
tescorum Stone & Boreham, 1965	USA (California, Ari)
tricornis De León, 1945	Guatemala; Mexico (Ch)
'C' De León, 1943 (<i>Simulium</i> sp.)	
wygoi Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1999	Mexico (Federal District)

Subgenus BOOPHTHORA Enderlein

BOOPHTHORA Enderlein, 1925 (as genus). Type species: *erythrocephalum*, as *argyreata* [misidentified] (original designation)
PSEUDOSIMULIUM Baranov, 1926 (preocc.) (as subgenus of *Simulium*). Type species: *erythrocephalum*, as *argyreata*
[misidentified] (original designation)
BOOPHTHORA, **BOOPHTHORA**: incorrect subsequent spellings

bujakovi Rubtsov, 1940	Siberia (Irkutskaya ES)
<i>bujakovi</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
<i>bujakovae</i> : incorrect subsequent spelling	
erythrocephalum (De Geer, 1776, as <i>erythrocephala</i>)	[Sweden]; Austria, Belarus, Belgium, Britain (En, Sc, Wa), China [no other data], Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy (incl. Sardinia), Kazakhstan, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, FE, WS), Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine, Mongolia (?)
<i>sericatum</i> Meigen, 1830 [? Denmark or Germany]	
<i>tenuifrons</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>tenuifrons</i> Enderlein, 1921 [June] (available) [Germany]	
<i>sinense</i> (Enderlein, 1934) [1933] [China (? province)]	
<i>mihalyii</i> (Rubtsov, 1967) [Hungary]	
<i>chelevini</i> (Ivashchenko, 1968) (ssp.) [Russia (Ivanovo)]	
'aff. <i>aureum</i> sp. 3' Rubtsov, 1959 [<i>in Dunbar</i>] (<i>Simulium</i> , part)	
'aff. <i>aureum</i> sp. 4' Rubtsov, 1959 [<i>in Dunbar</i>] (<i>Simulium</i> , part)	
<i>enrythrocephala</i> , <i>eritrocephala</i> , <i>erithrocephala</i> , <i>erythrocephala</i> : incorrect subsequent spellings	
[<i>argyreata</i> : authors, not Meigen]	
makunbei (Ono, 1977)	Japan (Hokkaido)
yonagoense Okamoto, 1958	Japan (Honshu, Ky)
'J-11' Bentinck, 1955 (<i>Simulium</i> sp.)	

Subgenus BOREOSIMULIUM

BOREOSIMULIUM Rubtsov & Yankovsky, 1982 (as genus). Type species: *annulus* (original designation)
[*HELLICHIA*: Rubtsov, 1956, not Enderlein]

ANNULUS species-group

- annae** (Rubtsov, 1956) Russia (St Petersburg CR); Sweden (?)
- annulus** (Lundström, 1911) Finland; Canada (Alb, Lab, Man, NB, Nfld, Nun, NWT, Ont, Que, Sask), USA (Mic, NY, Wis), Russia (CR, KM), Sweden, Norway (?)
euryadminiculum Davies, 1949 [Canada (Ontario)]
annula, *annulum*: incorrect subsequent spellings
annuliforme (male): authors
canonicolum: authors (central Canada), not Dyar & Shannon]
- balteatum** Adler, Currie & Wood, 2004 USA (California, Alaska, Idaho, Ore, Was, Wyo); Canada (Alb, BC, Yukon)
‘Undescribed species’ Corkum & Currie, 1987 (*Simulium*)
‘near *canonicolum*’ Currie, 1997 / McCreadie *et al.*, 1997 (*Simulium*)
clarum: Hearle, 1932, not Dyar & Shannon]
- canonicolum** (Dyar & Shannon, 1927) USA (Wyoming, Ari, Col, Idaho, Mon, Nev, NM, Utah); Canada (Alb, Yukon)
canonicola Peterson & Kondratieff, 1995 [1994]
(unnecessary emendation)
pugetense: Peterson, 1955, not Dyar & Shannon]
baffinense: Lichtwardt, 1984, not Twinn]
- clarkei** Stone & Snoddy, 1969 USA (Virginia, Geo, NC, Ten, SC)
‘4’ Snow, Pickard & Jones, 1958 (*Simulium* sp.)
‘near *clarkei*’ McCreadie & Adler, 1998 (*Simulium*)
- emarginatum** Davies, Peterson & Wood, 1962 [1961] Canada (Ontario, Que); USA (Ark, Mic, NC, NJ, Pen, SC, Vir, Wis, WV)
‘n. sp.’ Bennett, 1960 (*Simulium* / *Eusimulium*)
‘near *emarginatum*’ Adler, 1983 (thesis) (*Simulium* sp.)
- joculator** Adler, Currie & Wood, 2004 USA (California, Idaho)
- konoi** (Takahasi, 1950) Japan (Hokkaido, Hon, Sh); Siberia (FE incl. Kurile Islands and Sakhalin)
yamayaense Ogata & Sasa, 1954 [Japan (Honshu)]
‘J-9’ Bentinck, 1955 (*Simulium* sp.)
- olonicum** (Usova, 1961) Russia (Karelia KM); Norway, Sweden (?)
- quadratum** (Stains & Knowlton, 1943) USA (Utah, Cal, Idaho, Was, Wyo)
‘near Hinton’, McCreadie, Adler & Burger, 1997 (*Simulium*)
? [*clarum*: authors, not Dyar & Shannon, 1927]
- tokachiense** Takaoka, Otsuka & Fukuda, 2006 Japan (Hokkaido)
- zephyrus** Adler, Currie & Wood, 2004 USA (Oregon, Cal, Mon, Was); Can (Alb)
? ‘#1’ Speir, 1969 (thesis) (*Simulium* sp.)
‘Hinton’ Golini & Rothfels, 1984 (*Eusimulium*)

BAFFINENSE species-group

- annuliforme** (Rubtsov, 1962)* Russia (Murmansk KM)
[*latifrons*: Rubtsov, 1956, not Enderlein]
- arctium** (Rubtsov, 1956) Russia (Murmansk KM); Norway
- baffinense** Twinn, 1936 Canada (Nunavut: Baffin Island and mainland, Alb, BC, Man, NWT, Que, Yukon); Finland, Norway, Russia (KM), Siberia (ES, FE, WS), Sweden, USA (Alaska, Utah)
pallens Twinn, 1936 [Canada (Nunavut [as NWT]: Baffin Island)]
‘new species 1’ Jenkins, 1948 (*Eusimulium*)
palens: incorrect subsequent spelling
- crassum** (Rubtsov, 1956) Russia (Karelia KM); Finland, Norway, Siberia (WS), Sweden

JOHANNSENI species-group

- johannseni** Hart, 1912 [*in Forbes*] USA (Illinois, Iowa, Min, ND, Neb, Wis, Wyo); Canada (Alb, Man, Sask)
duplex Shewell & Fredeen, 1958 [Canada (Saskatchewan)]
‘near *johannseni*’ MacNay, 1954 / Edwards & Meyer, 1987 / Benke & Parsons, 1990 (*Eusimulium* / *Simulium*)
‘2’ Fredeen, 1956 (*Simulium*)
johannense: incorrect subsequent spelling
- parmatum** Adler, Currie & Wood, 2004 USA (South Carolina, Ala, Ark, Flo, Geo, Lou, NC, Ten, Texas)
[*meridionale*: authors (southeastern USA), not Riley]
- rothfelsi** Adler, Brockhouse & Currie, 2003 Canada (Nova Scotia)

Subgenus BYSSODON Enderlein

- BYSSODON** Enderlein, 1925 (as genus). Type species: *meridionale*, as *forbesi* (original designation)
PSILOCNETHA Enderlein, 1935 (as genus). Type species: *griseicolle*, as *scapulata* (original designation)
TITANOPTERYX Enderlein, 1935 (as genus). Type species: *maculatum* (original designation)
ECHINOSIMULIUM Baranov, 1938 (as genus). Type species: *maculatum*, as *echinatum* (original designation)
GIBBINSIELLUM Rubtsov, 1962 (as genus). Type species: *griseicolle* (original designation)

GRISEICOLLE species-group

- almae** (Yankovsky & Koshkimbaev, 1988) Kazakhstan
bifila Freeman & De Meillon, 1953 Sudan; Central African Republic
 ‘sp. n.’ Lewis, 1948 (*Simulium*)
 ‘var. n.’ Lewis, 1953 (*Simulium griseicolle*)
buxtoni Austen, 1923 (as *bipunctatum* var.) Jordan; Iraq (Euphrates/Tigris valleys)
 bipunctatum Austen, 1923 (preocc.) [Iraq]
 irakae Smart, 1944 (unnecessary subst. name, for *bipunctatum*)
griseicolle Becker, 1903 Egypt; Benin, Botswana, Burkina Faso, Cameroon,
 scapulatum (Enderlein, 1935) [Egypt] Central African Republic, Congo, Democratic Republic
 dentulatum Wanson & Henrard, 1944 [Democratic of Congo, Niger, Nigeria, Senegal, South Africa (EC,
 Republic of Congo) FS, M, NC), Sudan, Uganda, Zambia (?)
languidum Davies & Györkös, 1988 Sri Lanka
tridens Freeman & De Meillon, 1953 Ghana; Benin, Burkina Faso, Guinea, Guinea-Bissau,
 Ivory Coast, Liberia, Malawi, Mali, Nigeria, Sierra Leone, Togo, Zambia
trispphaerae Wanson & Henrard, 1944 Democratic Republic of Congo
 trispphaerae: incorrect subsequent spelling

MERIDIONALE species-group

- brunneum** (Yankovsky, 1977) Siberia (Khabarovsk FE)
heptapotamicum Rubtsov, 1940 Kazakhstan; Azerbaijan, Iran, Tajikistan, Turkmenistan
maculatum (Meigen, 1804) Germany; Belarus, China (He, IM, Xi), Italy,
 pungens (Meigen, [1806]) [*in* Panzer] (unnecessary subst. name) Kazakhstan, Lithuania, Mongolia, Poland, Romania,
 subfasciatum Meigen, 1838 [Germany] Russia (CR, NR), Serbia, Siberia (ES, FE, WS),
 vigintiquaterni (Enderlein, 1929) [Germany] Ukraine, USA (Alaska). [Old records for other
 echinatum (Baranov, 1938) [Serbia] countries (notably Britain and France) erroneous,
 ussurianum Rubtsov, 1940 [Siberia (Khabarovsk)] applying mainly to *equinum*]
 koidzumii (Takahasi, 1940) [China (Inner Mongolia)] [Yankovsky, 2003 [2002] treats *koidzumii* as valid sp.
 danubense (Rubtsov, 1956) [Serbia/Romania] with *gutsevitchi* as synonym]
 uralense (Rubtsov, 1956) [Kazakhstan]
 lenae (Rubtsov, 1956) [Siberia (Yakutskaya)]
 gutsevitchi (Yankovsky, 1978) [Siberia (Yevreyskaya)]
 coidzumii: incorrect subsequent spelling
 echinatuma: incorrect subsequent spelling
 maculeta: incorrect subsequent spelling
 [*meridionale*: Stone, 1952 / Hopla, 1965, not Riley]
meridionale Riley, 1887 [1886] USA (Mississippi, Ala, Ark, Cal, Col, Flo, Idaho, Ill,
 occidentale Townsend, 1891 [USA (New Mexico)] Iowa, Kan, Lou, Min, Misr, Mon, ND, Neb, Nev, NM,
 tamaulipense Townsend, 1897 [Mexico (Tamaulipas)] Okl, SD, Texas, Utah, Wis, Wyo); Canada (Alb, Man,
 forbesi Malloch, 1914 [USA (Illinois)] NWT, Sask), Mexico (Ta)
 meribionale, *meridianole*, *meriodionale*: incorrect
 subsequent spellings
 [*taeniatifrons*: Gaard, 2002, not Enderlein]
pseudonearcticum Rubtsov, 1940 Siberia (Kamchatka FE)

Subgenus CHIROSTILBIA Enderlein

CHIROSTILBIA Enderlein, 1921 (as genus). Type species: *pertinax*, as *flavifemur* (original designation)

- bifenestratum** Hamada & Pepinelli, 2004 Brazil (São Paulo)
- dekeyseri** Shelley & Py-Daniel, 1981 Brazil (Brasília Federal District, Goiás, MG, MGr, MGrS, Par, RJ, SP)
- distinctum** Lutz, 1910 Brazil (São Paulo, MG, Par, RGS, RJ, SC[?])
prumirimense Coscarón, 1981 [Brazil (São Paulo)]
 [*pertinax*: Lane & Porto, 1929 / Vargas, 1945, not Kollar]
- empascae** Py-Daniel & Moreira, 1988 Brazil (Santa Catarina, RGS, RJ, SP)
- friedlanderi** Py-Daniel, 1987 Brazil (Mato Grosso, SP)
- jefersoni** Hamada, Hernández, Luz & Pepinelli, 2006 Brazil (Bahía)
- obesum** Vulcano, 1959 Brazil (São Paulo, MG, RJ, SC)
obesum Lutz, 1922 (unav., *nomen nudum*)
obesum Pinto, 1932 [1931] (unav., *nomen nudum*)
- papaveroi** Coscarón, 1982 Brazil (Minas Gerais, Bahía)
- pertinax** Kollar, 1832 [*in* Pohl and Kollar, and *in* Pohl] Brazil (São Paulo, Amz, Bahía, BFD, Goiás, MG, MGr, MGrS, Par, Pba, RGS, RJ, Ron, SC, Toc); Argentina (Cos, ER, Mís), Bolivia, Paraguay
inexorabile Schrottky, 1909 [Argentina/Brazil]
infuscatum Lutz, 1909 [Brazil (Rio de Janeiro/São Paulo)]
flavifemur (Enderlein, 1921 [April]) (available) [Brazil (? state)]
lutzianum (Enderlein, 1934) [1933] (preocc.) [Paraguay]
septentrionale Cerqueira & Barbosa de Almeida, 1970 (preocc.) [Brazil (Rondonia)]
cerqueirai Barbosa de Almeida, 1974 [*in* Nunes de Mello & Barbosa de Almeida] (subst. name)
cerqueirai Barbosa de Almeida, 1979 (unnecessary subst. name, duplicated publ.)
cerqueira: incorrect subsequent spelling
 [*venustum*: Lutz, 1909, not Say]
 [*distinctum*: Pinto, 1932 [1931], not Lutz]
 [*paraguayense*: Pinto, 1932 [1931], not Schrottky]
- riograndense** Py-Daniel, Souza & Caldas, 1988 Brazil (Rio Grande do Sul, Par, RJ, SP, SC)
- serranus** Coscarón, 1981 Brazil (Minas Gerais, MGr, SP)
serranum: incorrect subsequent spelling
- spinibranchium** Lutz, 1910 Brazil (São Paulo, Bahía, BFD, Goiás, MG, MGr, MGrS, Par, Per, RGS, RJ, Ror, SC); Bolivia Guyana, Venezuela
striginotum (Enderlein, 1934) [1933] [Bolivia]
pilosum Lane & Porto, 1940 [*in* Porto] (preocc.) [Brazil (Mato Grosso)]
laneportoi Vargas, 1941 (subst. name) [Brazil (Minas Gerais)]
lane-porteroi: incorrect subsequent spelling
pillosum: incorrect original spelling
- subpallidum** Lutz, 1910 Brazil (Minas Gerais, Alagoas, Amapá, Bahía, BFD, Ceará, ES, Goiás, MGr, MGrS, Par, Pará, Per, RGS, RJ, Ror, SC, SP, Toc); Argentina (ER, Mís), Guyana, Paraguay, Uruguay, Venezuela
subviride Lutz & Machado, 1915 (unav., *nomen nudum*)
guerreroi Ramírez-Pérez, 1971 [Venezuela]
guarani Coscarón & Wygodzinsky, 1972 [Paraguay]
acarayense Coscarón & Wygodzinsky, 1972 [Paraguay]
nilesi Rambajan, 1979 [1975] [Guyana]

Subgenus CROSSKEYELLUM Grenier & Bailly-Choumara

CROSSKEYELLUM Grenier & Bailly-Choumara, 1970 (as subgenus of *Simulium*). Type species: *gracilipes* (original designation)

- gracilipes** Edwards, 1921 Morocco

Subgenus DAVIESELLUM Takaoka & Adler

DAVIESELLUM Takaoka & Adler, 1997 (as subgenus of *Simulium*). Type species: *pahangense* (original designation)

courtneyi Takaoka & Adler, 1997	Thailand
pahangense Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
<i>unidens</i> (Takaoka & Davies, 1995) [Malaysia (Malaya)]	

Subgenus ECTEMNASPIS Enderlein

ECTEMNASPIS Enderlein, 1934 [1933] (as genus). Type species: *bicoloratum*, as *macca* (original designation)

anaimense Coscarón & Muñoz de Hoyos, 1995	Colombia
antonii Wygodzinsky, 1953	Bolivia
arcabucense Coscarón, 1990	Colombia
bicoloratum Malloch, 1912	Peru (Lima, Cuzco, Huá); Bolivia, Colombia, Ecuador,
<i>gaudeatum</i> Knab, 1914 [Peru ('Verrugas Canyon')]	Venezuela. ['USA (NY)' error]
<i>macca</i> (Enderlein, 1934) [Peru (Cuzco)]	
<i>macca</i> (Enderlein, 1934) [1933] (preocc.) [Peru (? state)]	
<i>molli</i> Vargas, 1943 (subst. name)	
bicornutum Wygodzinsky & Coscarón, 1982	Colombia
cormonsi Wygodzinsky, 1971	Venezuela
furcillatum Wygodzinsky & Coscarón, 1982	Colombia
ignescens Roubaud, 1906	Ecuador; Bolivia, Colombia, Peru (Cuzco), Venezuela
<i>dignescens</i> , <i>igniscens</i> : incorrect subsequent spellings	
jaimeramirezi Wygodzinsky, 1971	Venezuela; Ecuador
pautense Coscarón & Takaoka, 1989	Ecuador
pifanoi Ramírez-Pérez, 1971	Venezuela; Colombia
roquemayu Coscarón, 1985	Bolivia
rubiginosum (Enderlein, 1934) [1933]	Bolivia; Argentina (BA, Jujuy, Men, Salta, SJ, Tuc), Peru
[<i>ignescens</i> : Wygodzinsky, 1951 (part), 1953 / Coscarón & Wygodzinsky, 1960, not Roubaud]	(Cuzco)
tolimaense Coscarón, 1985 (subst. name)	Colombia
<i>simplex</i> Wygodzinsky & Coscarón, 1982 (preocc.)	
tunja Coscarón, 1990	Colombia
'A' Lewis & Lee-Potter, 1964 (<i>Simulium</i> sp.)	Colombia
'B' Lewis & Lee-Potter, 1964 (<i>Simulium</i> sp.)	Colombia
'C' Duque, Muñoz de Hoyos & Rothfels, 1988 (<i>Simulium</i> sp.)	Colombia

Subgenus EDWARDSELLUM Enderlein

EDWARDSELLUM Enderlein, 1921 (as genus). Type species: *damnosum* (original designation)

buisseti Fain & Elsen, 1980	Democratic Republic of Congo
<i>buisseti</i> : incorrect subsequent spelling	
damnosum Theobald, 1903 (complex)	Uganda; Angola, Benin, Burkina Faso, Burundi,
<i>cingulatum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	Cameroon, Central African Republic, Chad, Congo,
<i>cingulatum</i> (Enderlein, 1921 [December]) (available) [Sudan]	Democratic Republic of Congo, Equatorial Guinea
<i>hamedense</i> Higazi, Boakye, Wilson, Mahmoud, Baroka,	(incl. Bioko), Ethiopia, Gabon, Ghana, Guinea,
Mukhtar & Unnasch, 2000 (unav., <i>nomen nudum</i>)	Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi,
	Mali, Mozambique, Namibia, Niger, Nigeria, Rwanda,
	Senegal, Sierra Leone, Somalia, South Africa (EC, FS,
	G, KZN, L, M, NC, NW), Sudan, Swaziland, Tanzania,
	Togo, Yemen, Zambia, Zimbabwe
'Kagera' Dunbar, 1966 (cytoform)	Tanzania/Uganda
'Kibwezi' Dunbar, 1969 (cytoform)	Kenya, Tanzania
'Kibwezi A1' Procnier & Muro, 1993 (cytoform)	Tanzania

‘Kibwezi A2’ Procunier & Muro, 1993 (cytoform)	Tanzania
‘Sebwe’ Dunbar, 1969 (cytoform)	Tanzania, Uganda
‘Sebwe B’ Dunbar, 1966 (cytoform)	
‘Sebwe M’ Dunbar & Vajime, 1971 (cytoform)	
‘Sebwe R’ Dunbar & Vajime, 1971 (cytoform)	
‘Mutonga’ Dunbar & Vajime, 1971/72 (cytoform)	Kenya
‘Kisiwani’ Dunbar & Vajime, 1972 (cytoform)	Kenya, Ethiopia, Tanzania
‘Kisiwani E’ Krüger, Car & Maegga, 2005 (cytoform).....	Ethiopia
‘Jovi’ Dunbar, 1976 (cytoform)	Tanzania
‘Kapere’ Gouteux, 1976 (morphoform)	Democratic Republic of Congo
‘Turiani’ Dunbar, 1976 (cytoform)	Tanzania
‘Kasongo A’ Elsen & Ancona, 1981 (morphoform)	Democratic Republic of Congo
‘Kasongo B’ Elsen & Ancona, 1981 (morphoform)	Democratic Republic of Congo
‘Kasongo C’ Elsen & Ancona, 1981 (morphoform)	Democratic Republic of Congo
‘Kasongo D’ Elsen & Ancona, 1981 (morphoform)	Democratic Republic of Congo
‘Kasongo E’ Elsen & Ancona, 1981 (morphoform)	Democratic Republic of Congo
‘C’ Vajime & Gregory, 1990 (cytoform) [uncharacterized]	Malawi
‘E’ Vajime & Gregory, 1990 (cytoform) [uncharacterized]	Malawi
‘Kasyabone A’ Maegga & Cupp, 1994 (cytoform)	Tanzania
‘Kasyabone B’ Maegga & Cupp, 1994 (cytoform)	Tanzania
‘Hamedense’ Higazi, Boakye, Wilson, Mahmoud, Baroka, Mukhtar & Unnasch, 2000 (cytoform and molecular form)	Sudan (Abu Hamed)
damnosum s. str	Uganda; Benin, Burkina Faso, Cameroon, Central African Republic, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Sudan, Togo
‘Nile’ Dunbar, 1966 (cytoform)	Niger, Sudan, Uganda
‘Volta’ Dunbar & Vajime, 1981 (cytoform)	Burkina Faso, Cameroon, Ghana, Guinea, Ivory Coast, Liberia, Mali, Niger, Nigeria, Senegal, Togo
dieguerense Vajime & Dunbar, 1975	Mali; Guinea
‘Dieguera’ Dunbar & Vajime, 1972 (<i>damnosum</i> cytoform)	
juxtadamnosum Gouteux, 1978 [1977]	Democratic Republic of Congo
<i>juxtadamnosum</i> Gouteux, 1977 (unav., <i>nomen nudum</i>)	
‘Bubumu’ Gouteux, 1976 (<i>damnosum</i> morphoform)	
‘Lutumgulu’ Gouteux, 1976 (<i>damnosum</i> morphoform)	
<i>kaffaense</i> Hadis, Boakye, Wilson & Cobblah, 2005 [<i>in</i> Hadis, Wilson, Cobblah & Boakye] (unav. under <i>Code Article 16.4.1</i> ; no type)	Ethiopia
<i>kaffaense</i> Hadis, Boakye, Wilson & Cobblah, 2004 (unav., <i>nomen nudum</i>)	
‘Jimma’ Dunbar & Vajime, 1981 (<i>damnosum</i> cytoform, typical)	
‘Bebeka’ Hadis <i>et al.</i> , 2004 (cytoform)	
‘Ghibe-Gojeb’ Hadis <i>et al.</i> , 2004 (cytoform) [uncharacterized]	
kilibanum Gouteux, 1977	Democratic Republic of Congo; Burundi, Kenya, Malawi, South Africa (G, M), Swaziland, Tanzania, Uganda
‘Nkusi’ Dunbar, 1969 (<i>damnosum</i> cytoform)	Kenya, South Africa (M), Swaziland, Tanzania, Uganda
‘Nkusi SA’ Krüger, Car & Maegga, 2005 (cytoform)	Kenya, South Africa (M), Tanzania, Uganda
‘Nkusi J’ Krüger, 2006 (molecular form)	Tanzania
‘Nkusi T’ Krüger, 2006 (molecular form)	Tanzania
‘Nkusi U’ Krüger, 2006 (molecular form)	Uganda
‘Nkusi SW’ Krüger, Car & Maegga, 2005 (cytoform)	Swaziland
‘Sanje’ Dunbar, 1969 (<i>damnosum</i> cytoform)	Malawi, Tanzania, Uganda
‘Sebwe A’ Dunbar, 1966 (<i>damnosum</i> cytoform)	
‘Sanje T’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	
‘Nyamagasani’ Dunbar & Vajime, 1972 (<i>damnosum</i> cytoform)	Democratic Republic of Congo, Tanzania, Uganda
‘Sanje R’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	
‘T’ Krüger, 2006 (molecular form).....	Tanzania

‘U’ Krüger, 2006 (molecular form)	Democratic Republic of Congo, Uganda
‘Kiliba’ Gouteux, 1976 (<i>damnosum</i> morphoform)	
‘Njombe’ Krüger, Kalinga, Post & Maegga, 2004	Tanzania
‘Pienaars’ Krüger, Car & Maegga, 2005 (cytoform)	South Africa (G, M)
kipengere Krüger, 2006 [<i>in</i> Krüger, Mustapha, Kalinga, Tambala, Post & Maegga]	Tanzania; Malawi
‘Kipengere’ Dunbar, 1976 (<i>damnosum</i> cytoform, typical)	Tanzania
‘Linthipe’ Krüger, Mustapha, Kalinga, Tambala, Post &	Malawi
Maegga, 2006 (cytoform)	
‘Mombo’ Krüger, Mustapha, Kalinga, Tambala, Post &	Tanzania
Maegga, 2006 (cytoform)	
konkoure Boakye, Post, Mosha & Quillévééré, 1993 [<i>in</i> Boakye, Post, Mosha, Surtees & Baker]	Sierra Leone; Guinea, Guinea-Bissau, Liberia
‘Konkouré’ Quillévééré, Guillet & Séchan, 1982 (<i>sanctipauli</i> cytoform)	Guinea, Guinea-Bissau
‘Menankaya’ Boakye <i>et al.</i> , 1993 (cytoform)	Guinea, Sierra Leone
<i>konkoure</i> : incorrect subsequent spelling	
kulfoense Hadis, Wilson, Cobblah & Boakye, 2008 (unav. under <i>Code Article 16.4.1</i> ; no type)	Ethiopia
‘Kulfo’ Dunbar, 1969 (cytoform)	
latipollex (Enderlein, 1936)	South Africa (‘Transvaal’)
‘Olifants’ Krüger, Car & Maegga, 2005 (<i>damnosum</i> cytoform) [uncharacterized]	
leonense Boakye, Post & Mosha, 1993 [<i>in</i> Boakye <i>et al.</i>]	Sierra Leone; Guinea, Liberia
‘B’ Post & Crosskey, 1985 (<i>soubrense</i> cytoform)	
luadiense Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
machadoi Luna de Carvalho, 1962	Angola; Democratic Republic of Congo
maertensi Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
mengense Vajime & Dunbar, [1979] [1977]	Cameroon; Central African Republic. [‘Tanzania’ error]
‘Menge’ Dunbar, 1976 (<i>damnosum</i> cytoform)	
microlepidum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
nganganum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
pandanophilum Krüger, Nurmi & Garms, 1998	Uganda
‘Gitovu’ McCrae, 1969 (<i>damnosum</i> cytoform)	
‘Kaku’ Dunbar & Vajime, 1971/72 (<i>damnosum</i> cytoform, typical)	
‘Sogohi’ Krüger, Gelhaus, Yocha, Rubaale & Garms, 1998 (cytoform)	
plumbeum Krüger, 2006 [<i>in</i> Krüger, Mustapha, Kalinga, Tambala, Post & Maegga]	Tanzania; Malawi
‘Ketaketa’ Dunbar, 1969 (<i>damnosum</i> cytoform)	Tanzania
‘Type A’ Davies, 1985 (<i>damnosum</i> morphoform)	
‘Hammerkopi’ Dunbar, 1976 (<i>damnosum</i> cytoform)	Tanzania
‘Ketaketa C1’ Procnier & Muro, 1993 (<i>damnosum</i> cytoform)	Tanzania
‘Ketaketa C2’ Procnier & Muro, 1993 (<i>damnosum</i> cytoform)	Tanzania
‘Mwamphanzi’ Vajime, Tambola, Krüger & Post, 2000 (<i>damnosum</i> cytoform, typical)	Malawi, Tanzania
[<i>mengense</i> : Vajime & Dunbar, 1977 (Tanzania)]	
rasyani Garms, Kerner & Meredith, 1988	Yemen
repertum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
sanctipauli Vajime & Dunbar, 1975	Ivory Coast; Ghana, Guinea, Liberia, Mali, Nigeria, Sierra Leone, Togo
‘Bandama’ Dunbar, 1969 (<i>damnosum</i> cytoform)	Ivory Coast, Liberia
‘Djodji’ Surtees, 1986 (<i>damnosum</i> cytoform and morphoform)	Ghana and Togo. [Believed eradicated by Onchocerciasis Control Programme]
‘Comoé’ Boakye, Fiasorgbor, Bougsere & Naniogue, 1999 (cytoform)	Ivory Coast
‘Pra’ Boakye, Fiasorgbor, Bougsere & Naniogue, 1999 (cytoform)	Ghana
‘Sassandra’ Boakye, Fiasorgbor, Bougsere & Naniogue, 1999 (cytoform)	Ivory Coast

sirbanum Vajime & Dunbar, 1975	Niger; Benin, Burkina Faso, Cameroon, Central African Republic, Ghana, Guinea-Bissau, Ivory Coast, Mali, Nigeria, Sierra Leone, Sudan, Togo, Uganda
<i>sudanense</i> Vajime & Dunbar, 1975 [Burkina Faso]	
‘Sirba’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	Burkina Faso, Ghana, Ivory Coast, Mali, Niger, Nigeria, Togo
‘Type III’ Meredith <i>et al.</i> , 1983 / Fiasorgbor & Cheke, 1992 (morphoform / cytoform)	Benin, Burkina Faso, Ghana, Nigeria, Togo
‘Type IV’ Meredith <i>et al.</i> , 1983 / Fiasorgbor & Cheke, 1992 (morphoform / cytoform)	Benin, Ghana, Niger, Togo
<i>sirbarum</i> : incorrect subsequent spelling	
<i>soderense</i> Hadis, Wilson, Cobblah & Boakye, 2008 (unav. under Code Article 16.4.1; no type)	Ethiopia
‘Sodere’ Hadis, 2006 (thesis) (<i>damnosum</i> cytoform)	
soubrense Vajime & Dunbar, 1975	Ivory Coast/Burkina Faso; Benin, Ghana, Guinea, Liberia, Mali, Nigeria, Sierra Leone, Togo
‘Soubre’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	
‘Beffa’ Meredith, Cheke & Garms, 1983 (cytoform)	Benin, Ivory Coast, Liberia, Nigeria, Togo
‘Farmington’ Güzelhan & Garms, 1987 (cytoform)	Liberia
‘St Paul’ Güzelhan & Garms, 1987 (cytoform)	Liberia
‘Chutes Milo’ Boakye <i>et al.</i> , 1993 (cytoform, typical)	Burkina Faso, Guinea, Ivory Coast. [? = <i>soubrense</i> s.str.]
<i>sourense</i> : incorrect subsequent spelling	
squamosum (Enderlein, 1921 [December]) (complex)	Cameroon; Benin, Central African Republic, Democratic Republic of Congo, Ivory Coast, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, Togo
<i>squamosum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>kitetense</i> Elsen & Post, 1989 (ssp.) [Democratic Republic of Congo]	
‘Bille’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	Cameroon, Ivory Coast
‘A’ Traoré-Lamizana <i>et al.</i> , 2001 (cytoform, typical)	Cameroon, Democratic Republic of Congo, Nigeria
‘B’ Traoré-Lamizana <i>et al.</i> , 2001 (cytoform)	Cameroon
‘C’ Traoré-Lamizana <i>et al.</i> , 2001 (cytoform)	Cameroon, Nigeria
‘D’ Mustapha, Post, Enyong & Lines, 2004 (cytoform)	Cameroon
‘E (= type III)’ Post, Mustapha & Krüger, 2007 (cytoform)	Benin, Central African Republic, Ivory Coast, Ghana, Guinea, Liberia, Sierra Leone, Togo
thyolense Vajime, Tambala, Krüger & Post, 2000	Malawi; Tanzania
‘Thyolo’ Vajime & Gregory, 1990 (<i>damnosum</i> cytoform)	Malawi
‘Kiwira’ Maegga & Cupp, 1993 (<i>damnosum</i> cytoform, typical)	Malawi, Tanzania
‘Nyika’ Krüger, Kalinga, Post & Maegga, 2004 (cytoform)	Malawi, Tanzania
‘Type C’ Davies, 1985 (<i>damnosum</i> morphoform)	
vilhenai Luna de Carvalho, 1962	Angola
wambanum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
yahense Vajime & Dunbar, 1975	Liberia; Benin, Cameroon, Equatorial Guinea (Bioko), Ghana, Guinea, Ivory Coast, Nigeria, Sierra Leone, Togo
‘Yah’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform, typical)	
‘Bioko’ Post, 1993 (cytoform)	Equatorial Guinea (Bioko)

Subgenus EUSIMULIUM Roubaud

EUSIMULIUM Roubaud, 1906 (as subgenus of *Simulium*). Type species: *aureum* (monotypy)

angustipes Edwards, 1915*	Britain (England, CI, Wa); Algeria, Armenia, Austria, Belarus, Bosnia, China (Hebei), Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Kazakhstan, Latvia, Luxembourg, Macedonia, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, NR, SR), Serbia, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine
<i>horvathi</i> (Enderlein, 1922) [Germany]	
<i>securiforme</i> (Rubtsov, 1956) [Russia (St Petersburg)]	
<i>latizonum</i> (Rubtsov, 1956) [Russia (St Petersburg)]	
<i>paludicola</i> (Rivosecchi, 1963 [March]) (unav., form post-1960)	
<i>paludicola</i> (Rivosecchi, 1963 [Sept.]) (available, ssp.) [Italy]	
‘E’ Dunbar, 1959 (<i>aureum</i> cytoform)	
‘aff. <i>aureum</i> sp. 1’ Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 2’ Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 3’ Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 4’ Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	
<i>latisonum</i> , <i>latizonum</i> : incorrect subsequent spellings	

arenicola Liu, Gong, Zhang, Luo & An, 2003	China (Qinghai)
argentipile (Rubtsov, 1962)	Russia (St Petersburg CR); Sweden (?)
<i>argentipiles</i> : incorrect subsequent spelling	
armeniacum (Rubtsov, 1955)	Armenia; Azerbaijan, China (IM)
aureum Fries, 1824	Sweden; Austria, Belarus, Belgium, Britain (En, Sc, Wa),
<i>flavipes</i> Stephens, 1829 (unav., <i>nomen nudum</i>)	China (He, Sh), Czech Republic, Denmark, Estonia,
‘F’ Dunbar, 1959 (cytoform)	Finland, France, Germany, Iceland, Ireland, Italy,
‘aff. <i>aureum</i> sp. 1’ Rubtsov, 1959 [<i>in Dunbar</i>] (<i>Simulium</i> , part)	Latvia, Lithuania, Netherlands, Norway, Poland, Russia
‘aff. <i>aureum</i> sp. 2’ Rubtsov, 1959 [<i>in Dunbar</i>] (<i>Simulium</i> , part)	(CR, NR, SR), Siberia (WS), Slovakia, Sweden,
‘aff. <i>aureum</i> sp. 4’ Rubtsov, 1959 [<i>in Dunbar</i>] (<i>Simulium</i> , part)	Switzerland, Ukraine, Uzbekistan, Bulgaria (?), India
‘High hill’ Obeng, 1965 (morphoform)	(?), Japan (?), Pakistan (?), Romania (?). [Not New
<i>aurem, aurerum, auroa, aweia</i> : incorrect subsequent spellings	World (misidentified)]
azerbaidzhanicum (Djafarov, 1953)	Azerbaijan; Armenia
<i>aserbajdzanicum, azerbajdjanicum</i> : incorrect subsequent spellings	
azorensis (Carlsson, 1963)	Azores (Flores, Faial, Santa Maria, São Jorge,
[<i>beckeri</i> : Séguy, 1936, not Roubaud]	São Miguel, Terceira)
[‘ <i>aureum</i> J’ (cytoform, part): Leonhardt, 1985]	
baatori (Rubtsov, 1967)	Mongolia
beiwansis Guo, Zhang, An, Zhang, Zheng, Dong & Zhao, 2008	China (Xinjiang)
brachyantherum Rubtsov, 1947	Tajikistan; Armenia, Romania, Uzbekistan
<i>brachyanterum, brachyanthemum, brachyanthenum</i> :	
incorrect subsequent spellings	
bracteatum Coquillett, 1898	USA (Massachusetts, Alaska, Geo, Maine, Mic, Min,
‘A’ Dunbar, 1958 (<i>aureum</i> cytoform)	NC, NH, NJ, NY, Ohio, Pen, SC, WV); Canada (Alb,
	BC, NB, NWT, Ont, PEI, Que, Sask)
donovani Vargas, 1943	Mexico (Chiapas, Du, Gj, Mi, Mo, Vz); Guatemala,
<i>diazi</i> De León, 1945 [1944] [Guatemala]	USA (Ari, Cal, Col, Nev, NM, Ore)
‘E’ De León, 1943 (<i>Simulium</i> sp.)	
‘G’ Dunbar, 1959 (<i>aureum</i> cytoform)	
‘A’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘B’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘G1’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘G1’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<i>arrum</i> : incorrect subsequent spelling	
[<i>aureum</i> : authors (California and Latin America), not Fries]	
erimoensis (Ono, 1980)	Japan (Hokkaido)
exulatum Adler, Currie & Wood, 2004	Canada (Manitoba, BC, Lab, Nfld, NWT, Que); USA
‘C’ Dunbar, 1959 (<i>aureum</i> cytoform)	(Alaska, Col)
flexibranchium Crosskey, 2001 [<i>in Crosskey & Malicky</i>]	Greece (Rhodes, Crete, Kithira, Naxos)
guimari Becker, 1908	Canary Islands (Tenerife, Gomera, Gran Canaria,
<i>submorsitans</i> Séguy, 1921 [Canary Islands (Gran Canaria)]	La Palma)
‘M’ Leonhardt, 1985 (<i>aureum</i> cytoform)	
kaszabi (Rubtsov, 1969)	Mongolia
kazahstanicum (Rubtsov, 1976)	Kazakhstan
krymensis (Rubtsov, 1956)	Ukraine (Crimea); Bulgaria, Romania. [? = <i>nigrofusipes</i>]
<i>krimensis</i> : incorrect subsequent spelling	
kuandianensis (Chen & Cao, 1983)	China (Liaoning)
longitarse (Rubtsov & Violovich, 1965)	Siberia (Tuva WS)
maritimum (Rubtsov, 1956)	Russia (Krasnodar SR); China (Li), Georgia
mellah Giudicelli & Bouzidi, 2000	Morocco
nigrofusipes Rubtsov, 1947	Tajikistan; Armenia
<i>nigrifuscipes, nigrofuscipes</i> : incorrect subsequent spellings	
paucispis Rubtsov, 1947	Tajikistan; Armenia, Iran, Iraq, Turkmenistan,
<i>paucispis</i> : incorrect subsequent spelling	Uzbekistan
[<i>latizonum</i> : Crosskey, 1967 (Iran), not Rubtsov]	
petricolum (Rivosecchi, 1963 [September]) (available, ssp.)	Italy (incl. Elba, Sardinia, Sicily); Bosnia, Britain (En),
<i>petricola</i> (Rivosecchi, 1963 [March]) (unav., form post-1960)	Cyprus, Czech Republic, France (incl. Corsica), Greece
‘J’ Leonhardt, 1985 (<i>aureum</i> cytoform)	(incl. Lésbos, Páros, Rhodes), Ireland, Libya, Madeira,
[<i>azorensis</i> : Carlsson, 1963 (part, Madeira)]	Morocco, Portugal, Serbia, Spain, Russia (?). [? =

	[<i>latizonum</i> : Sherban, 1961/? Knoz, 1965, not Rubtsov]	<i>krymense</i>
pilosum (Knowlton & Rowe, 1934)		USA (Utah, Ari, Cal, Col, Idaho, Iowa, Kan, Mic, Mon, Neb, Nev, NY, Ohio, Ore, Pen, Ten, Was, Wis, WV, Wyo); Canada (Alb, BC incl. Queen Charlotte Islands, NWT, Ont, Que incl. Magdalen Islands)
<i>utahense</i> (Knowlton & Rowe, 1934) [USA (Utah)]		
‘B’ Dunbar, 1958 (<i>aureum</i> cytoform)		
[<i>aureum</i> : authors (central USA), not Fries]		
reginae Terteryan, 1949		Armenia; Azerbaijan, China (Xi), Georgia, Turkey (?)
salinum (Rubtsov, 1956)		Siberia (Irkutskaya ES)
satsumense Takaoka, 1976		Japan (Nansei Islands); China (Li)
silvaticum (Rubtsov, 1962)		Russia (St Petersburg CR, SR); Italy, Romania, Serbia, Sweden (?)
‘aff. <i>aureum</i> ’ Sherban, 1961 (<i>Simulium</i> sp.)		
? ‘N’ Leonhardt, 1987 (<i>aureum</i> cytoform)		
taipei (Shiraki, 1935)		Taiwan. [‘Japan’ error]
<i>taishanense</i> Xue & An, 2001 (junior primary homonym of		
<i>taishanense</i> Sun & Li, 2000, but		
no available subst. name)		China (Shandong)
tenerificum Crosskey, 1988		Canary Islands (Tenerife, Gomera, La Palma)
‘L’ Leonhardt, 1985 (<i>aureum</i> cytoform)		
<i>tenuistylum</i> Yang, Fan & Chen, 2008 (junior primary homonym of		
<i>tenuistylum</i> Datta, 1973, but no		
available subst. name)		China (Liaoning)
velutinum (Santos Abreu, 1922)		Canary Islands (La Palma, Gomera); Algeria, Andorra, Balearic Islands (Majorca, Minorca), Bosnia, Britain (En, Sc, Wa), Cyprus, Czech Republic, Finland, France (incl. Corsica), Germany, Greece (incl. Corfu, Crete, Lésbos, Páros, Rhodes), Hungary, Ireland, Israel, Italy (incl. Sardinia, Sicily), Jordan, Libya, Macedonia, Malta, Morocco, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Tunisia, Turkey, Ukraine (incl. Crimea)
<i>nigripes</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]		
<i>pseudolatipes</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]		
<i>serbicum</i> Baranov, 1925 (preocc.) [Serbia]		
<i>primum</i> (Baranov, 1926) (preocc.) [Macedonia]		
<i>secundum</i> (Baranov, 1926) (preocc.) [Macedonia]		
<i>rubzovianum</i> (Sherban, 1961) [Serbia]		
<i>latinum</i> (Rubtsov, 1962) [Italy]		
‘sp. indet.’ Davies, 1966, 1968 (<i>Simulium</i>)		
‘I’ Dunbar, 1966 [<i>in</i> Davies] / Leonhardt, 1985 (<i>aureum</i> cytoform)		
‘K’ Leonhardt, 1985 (<i>aureum</i> cytoform)		
<i>velutianum</i> : incorrect subsequent spelling		
[<i>trabeatum</i> : Rubtsov, 1956, not Enderlein]		
violator Adler, Currie & Wood, 2004		Canada (Northwest Territories, Alb, Lab, Man, Nfld, Ont, Que); USA (NH)
‘D’ Dunbar, 1959 (<i>aureum</i> cytoform)		
[<i>aureum</i> : Currie, 1986, not Fries]		
weiningense Chen & Zhang, 1997		China (Guizhou)
‘A’ Datta, 1973 (<i>Simulium</i> sp.)		India (West Bengal)

Subgenus FREEMANELLUM Crosskey

FREEMANELLUM Crosskey, 1969 (as subgenus of *Simulium*). Type species: *berghei* (original designation)

berghei Fain, 1949		Democratic Republic of Congo; Cameroon, Nigeria, Uganda. [? = <i>spinulicorne</i>]
‘Cameroon’ Lewis & Disney, 1972 (morphoform)		
debegene De Meillon, 1934		South Africa (Limpopo, EC, FS, G, KZN, M, NW); Zimbabwe
empopomae De Meillon, 1937		South Africa (KwaZulu Natal)
<i>empopomae</i> : incorrect subsequent spelling		
hessei Gibbins, 1941		South Africa (Western Cape, EC)
hirsutilateris De Meillon, 1937		South Africa (KwaZulu Natal, L); Tanzania
<i>hirsutilateralis</i> : incorrect subsequent spelling		
manense Elsen & Escaffre, 1976*		Ivory Coast; Ghana, Guinea, Liberia, Malawi, Sierra Leone, Tanzania, Togo, Uganda
[<i>debegene</i> : authors, not De Meillon]		
spinulicorne Fain & Elsen, 1980		Democratic Republic of Congo; Cameroon
[<i>berghei</i> : Fain & Elsen, 1973, not Fain]		

Subgenus GOMPHOSTILBIA Enderlein

GOMPHOSTILBIA Enderlein, 1921 (as genus)*. Type species: *ceylonicum* (original designation)

NIPPONOSIMULIUM Shogaki, 1956 (as subgenus of *Simulium*) (unav., post-1930 name based on species with only a vernacular name: J-4 of Bentinck, 1955)

AMBIGENS species-group

ambigens Delfinado, 1969 Philippines (Mindanao)

BAISASAE species-group

baisasae Delfinado, 1962 [1960] Philippines (Luzon, Mindoro)

baisasce: incorrect subsequent spelling

bicolense Takaoka, 1983 Philippines (Luzon, Samar)

visayaense Takaoka, 1983 Philippines (Bohol, Cebu, Leyte, Mindanao, Panay)

BANAUENSE species-group

alienigenum Takaoka, 1983 Philippines (Palawan)

antlerum Chen, 2001 China (Hainan)

banauense Takaoka, 1983 Philippines (Luzon)

bansonae Takaoka, 1983 Philippines (Luzon)

cagayanense Takaoka, 2005 Philippines (Luzon)

disneyi Takaoka & Roberts, 1988 Indonesia (Sulawesi)

ifugaoense Takaoka, 1983 Philippines (Luzon)

lilianae Takaoka, 2000 Philippines (Luzon)

liliwense Takaoka, 1983 Philippines (Luzon)

manbucalense Takaoka, 1983 Philippines (Negros)

riverai Takaoka, 1983 Philippines (Negros)

salazarae Takaoka, 1983 Philippines (Mindanao, Bohol, Luzon, Samar)

BATOENSE species-group

abadii Takaoka, 2003 Indonesia (Sulawesi)

adleri Jitklang & Kuvangkadilok, 2008 [2007] Thailand

angulistylum Takaoka & Davies, 1995 Malaysia (Malaya); Thailand

apoense Takaoka, 1983 Philippines (Mindanao)

asperum Takaoka, 2003 Indonesia (Maluku)

atratum De Meijere, 1913 Indonesia (Java)

babuyanense Takaoka & Tenedero, 2007 Philippines (Palawan)

barioense Takaoka, 2008 Malaysia (Sarawak)

barretti Smart & Clifford, 1965 New Guinea (PNG mainland)

batoense Edwards, 1934 Indonesia (Java, Sumatra); Japan (Honshu)

‘J-12’ Bentinck, 1955 (*Simulium* sp.)

bhutanense Takaoka & Somboon, 2008 Bhutan

bifurcatum Takaoka, 2003 Indonesia (Irian Jaya)

binuanense Takaoka & Tenedero, 2008 Philippines (Palawan)

brevitruncatum Takaoka, 2003 Indonesia (Sulawesi)

brivetruncum Chen & Chen, 2000 China (Hainan)

bucolicum Datta, 1975 India (Assam); Nepal

catleyi Smart & Clifford, 1965 New Guinea (New Britain, PNG mainland)

centrale Smart & Clifford, 1965 New Guinea (PNG mainland, New Ireland)

cheongi Takaoka & Davies, 1995 Malaysia (Malaya); Indonesia (Sumatra)

chongqingense Zhu & Wang, 1995 China (Sichuan)

chengqingense: incorrect subsequent spelling

chuzargangense Takaoka & Somboon, 2008 Bhutan

curvum Takaoka, 2003 Indonesia (Maluku)

davaoense Takaoka, 1983 Philippines (Mindanao)

decuplum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
dentistylum Takaoka & Davies, 1995	Malaysia (Malaya, Sabah); Thailand
dola Davies & Györkös, 1987	Sri Lanka
'II' Davies, 1984 (<i>Simulium</i> sp.)	
'III' Starmuhlner, 1984 (<i>Simulium</i> sp.)	
duolongum Takaoka & Davies, 1995	Malaysia (Malaya); Vietnam
epistum Delfinado, 1971	Philippines (Balabac, Palawan)
fidum Datta, 1975	India (Assam)
flavocinctum Edwards, 1934	Indonesia (Sumatra)
<i>flavocinct</i> : incorrect subsequent spelling	
floresense Takaoka, Hadi & Sigit, 2006	Indonesia (Flores)
friederichsi Edwards, 1934	Indonesia (Java, Sumatra)
gombakense Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
hadiae Takaoka, 2003	Indonesia (Sulawesi)
hainanense Long, An & Hao, 1994	China (Hainan)
<i>hailanense</i> : incorrect subsequent spelling	
heldsbachense Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
hemicyclium Smart & Clifford, 1965	New Guinea (New Britain, PNG mainland); Indonesia (Maluku)
inermum Takaoka, 2003	Indonesia (Irian Jaya)
jiulianshanense Kang, Zhang, & Chen, 2007	China (Jiangxi)
kalimerahense Takaoka, 2003	Indonesia (Irian Jaya)
kelabitense Takaoka, 2008	Malaysia (Sarawak)
keravatense Smart & Clifford, 1965	New Guinea (New Britain, PNG mainland)
kolakaense Takaoka, 2003	Indonesia (Sulawesi)
krombeini Davies & Györkös, 1987	Sri Lanka
'I' Davies, 1984 (<i>Simulium</i> sp.)	
kuingingiense Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
lagunaense Takaoka, 1983	Philippines (Luzon)
lehi Takaoka, 2001	Malaysia (Sarawak, Sabah)
litoreum Datta, 1975	India (Assam)
longshengense Chen, Zhang & Zhang, 2007	China (Guangxi Zhuang)
luzonicum Takaoka, 1983	Philippines (Luzon)
manadoense Takaoka, 2003	Indonesia (Sulawesi)
'B' Takaoka & Roberts, 1988 (<i>Simulium</i> sp.)	
mangasepi Takaoka, 1983	Philippines (Palawan)
miblosi Takaoka, 1983	Philippines (Mindanao)
mindanaoense Takaoka, 1983	Philippines (Mindanao)
miyagii Takaoka, 2003	Indonesia (Sulawesi)
montiblense Takaoka, 1983	Philippines (Palawan); Vietnam
'A' Delfinado, 1971 (<i>Simulium</i> sp.)	
munumense Smart & Clifford, 1965	New Guinea (PNG mainland, New Britain)
nami Smart & Clifford, 1965	New Guinea (PNG mainland)
nigrofemoralum [<i>sic</i>] Chen & Zhang, 2001	China (Hainan)
omutaense Ogata & Sasa, 1954	Japan (Kyushu, Hon); Korea (South)
padangense Takaoka & Sigit, 1997	Indonesia (Sumatra)
palauense Stone, 1964	Palau Islands
parahiyangum Takaoka & Sigit, 1992	Indonesia (Java, Sumatra); Malaysia (Malaya, Sabah Sarawak), Thailand
pattoni Senior-White, 1922	India (Tamil Nadu); China (Hainan), Sri Lanka
'I' Starmuhlner, 1984 (<i>Simulium</i> sp.)	
[<i>atratum</i> : authors, not De Meijere]	
paukatense Takaoka, 2008	Malaysia (Sarawak)
pegalanense Smart & Clifford, 1969	Malaysia (Sabah)
peregrinum Mackerras & Mackerras, 1950	Australia (Queensland)
prayongi Takaoka & Choochote, 2005	Thailand
rarum Takaoka & Tendero, 2008	Philippines (Palawan)
rayohense Smart & Clifford, 1969	Malaysia (Sabah)

repentinum Takaoka & Tendero, 2008	Philippines (Samar)
samarensense Takaoka & Tendero, 2008	Philippines (Samar)
sarawakensense Takaoka, 2001	Malaysia (Sarawak)
sextuplum Takaoka & Davies, 1995	Malaysia (Malaya)
siamense Takaoka & Suzuki, 1984 (complex)	Thailand; Nepal, Vietnam
‘A’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform)	Thailand
‘B’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform)	Thailand
‘C’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform)	Thailand
‘D’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform)	Thailand
‘E’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform)	Thailand
‘F’ Lualon, 2006 (thesis) (cytoform)	Thailand
<i>siamense</i> : incorrect subsequent spelling	
singgih Takaoka, 2003	Indonesia (Sulawesi)
sundaicum Edwards, 1934	Indonesia (Java, Flores, Sumatra); India (WB) (?)
syafruddini Takaoka, 2003	Indonesia (Sulawesi)
synanceium (Chen & Cao, 1983)	China (Liaoning)
<i>symanceium</i> , <i>synaceium</i> : incorrect subsequent spellings	
syuhaiense Huang & Takaoka, 2008	Taiwan
tahanense Takaoka & Davies, 1995	Malaysia (Malaya)
tebingense Takaoka & Davies, 1995	Malaysia (Malaya)
torautense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
tuenense Takaoka, 1979	Taiwan
tumidum Takaoka, 2003	Indonesia (Sulawesi)
tumum Chen & Zhang, 2001	China (Hainan)
unum Datta, 1975	India (Assam)
whartoni Takaoka & Davies, 1995	Malaysia (Malaya); Indonesia (Sumatra)
[<i>zonatum</i> : Crosskey, 1973, 1988, not Edwards]	
yaeyamaense Takaoka, 1991	Japan (Nansei Islands)
[<i>batoense</i> : Ogata, 1956, not Edwards]	
yuanbaoshanense Chen, Zhang & Zhang, 2007	China (Guangxi Zhuang)
zonatum Edwards, 1934	Indonesia (Sumatra). [‘Malaya’ error]
‘A’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 (<i>Simulium</i> sp.)	Thailand
‘B’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 (<i>Simulium</i> sp.)	Thailand

CEYLONICUM species-group

ambonense Takaoka, 2003	Indonesia (Maluku)
asakoe Takaoka & Davies, 1995 (complex)	Malaysia (Malaya, Sabah, Sarawak); China (HK),
‘C’ Takaoka & Suzuki, 1984 (<i>Simulium</i> sp.) Thailand, Vietnam	
atratoides Takaoka & Davies, 1996	Indonesia (Java)
<i>atratoides</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	
brevilabrum Takaoka, Hadi & Sigit, 2006	Indonesia (Flores)
ceylonicum (Enderlein, 1921 [April]) (available)	Sri Lanka
curtatatum Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008	Thailand
curvastylum Chen & Zhang, 2001	China (Hainan)
<i>curvasrylum</i> : incorrect subsequent spelling	
darjeelingense Datta, 1973	India (West Bengal)
doisaketense Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008..	Thailand
dudgeoni Takaoka & Davies, 1995 [<i>in</i> Takaoka, Davies & Dudgeon]	China (Hong Kong)
ela Davies & Györkös, 1987	Sri Lanka
‘III’ Davies, 1984 (<i>Simulium</i> sp.)	
fanjingshanense Chen, Zhang & Wen, 2000	China (Guizhou)
gimpuense Takaoka, 2003	Indonesia (Sulawesi)
guniki Takaoka, 2001	Malaysia (Sabah)
gyorkosae Takaoka & Davies, 1996	Indonesia (Java, Sulawesi, Sumatra)
<i>gyorkosae</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	
hoiseni Takaoka, 2008	Malaysia (Malaya)
inthanonense Takaoka & Suzuki, 1984	Thailand; China (Yu), Vietnam
jianfengense Long, An & Hao, 1994	China (Hainan)

kamimurai Takaoka, 2003	Indonesia (Maluku, Sulawesi)
laoshanstum Ren, An & Kang, 1998	China (Shandong)
longitruncum Takaoka & Davies, 1995	Malaysia (Malaya)
<i>longitruncum</i> Zhang & Chen, 2003 (junior primary homonym of <i>longitruncum</i> Takaoka & Davies, 1995, but no available subst. name)	China (Hainan)
mengi Chen, Zhang & Wen, 2000	China (Guizhou)
metatarsale Brunetti, 1911	India (West Bengal, Sik); China (Fu, Gu, Hainan, Ji, Yu), Indonesia (Java), Taiwan. ['West Malaysia' error]
<i>metatarsale</i> , <i>meteatarsale</i> : incorrect subsequent spellings	
miaolingense Wen & Chen, 2000	China (Guizhou)
mindoroense Takaoka & Tenedero, 2007	Philippines (Mindoro)
mogii Takaoka, 2003	Indonesia (Sulawesi)
namense Takaoka, 1989	Burma
napuense Takaoka, 2003	Indonesia (Sulawesi)
nepalense Lewis, 1964	Nepal
ogatai (Rubtsov, 1962)	Japan (Honshu, Sh)
‘Tategata-buyu’ Kani, 1944	
‘J-13’ Bentinck, 1955 (<i>Simulium</i> sp.)	
okinawense Takaoka, 1976	Japan (Okinawa Island)
<i>okinawaense</i> : incorrect subsequent spelling	
pingxiangense An, Hao & Mai, 1990	China (Guangxi Zhuang)
rosemaryae Takaoka & Roberts, 1988	Indonesia (Sulawesi)
rutengense Takaoka, Hadi & Sigit, 2006	Indonesia (Flores)
sheilae Takaoka & Davies, 1995	Malaysia (Malaya, Sabah, Sarawak); Indonesia (Sumatra), Thailand
‘g’ Kuvangkadilok, Boonkemtong, Phayuhaseana & Baimai, 2003 (<i>Simulium</i> sp.)	
[<i>metatarsale</i> : Crosskey, 1973, not Brunetti]	
tenuistylum Datta, 1973	India (West Bengal, Sikkim)
tokarensis Takaoka, 1973	Japan (Tokara Islands)
trangense Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008	Thailand
‘nr. <i>sheilae</i> ’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 /	Thailand
Thanwisai, Kuvangkadilok & Baimai, 2006 (<i>Simulium</i> sp.)	
[<i>sheilae</i> : Phasuk, Chanpaisaeng, Adler & Courtney, 2005, not Takaoka & Davies]	
udomi Takaoka & Choochote, 2006	Thailand
xizangense An, Zhang & Deng, 1990	China (Tibet)
zayuense An, Zhang & Deng, 1990	China (Tibet)
<i>zayüensis</i> : incorrect original spelling (alternative)	
‘C’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 (<i>Simulium</i> sp.)	Thailand
‘2’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler,	Thailand
2008 (<i>Simulium</i> sp. nr. <i>asakoe</i>)	
‘3’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler,	Thailand
2008 (<i>Simulium</i> sp. nr. <i>asakoe</i>)	
‘4’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler,	Thailand
2008 (<i>Simulium</i> sp. nr. <i>asakoe</i>)	
‘3’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler,	Thailand
2008 (<i>Simulium</i> sp. nr. <i>sheilae</i>)	

HIROSHII species-group

hiroshii Takaoka, 1994	Solomon Islands (Guadalcanal, New Georgia Islands); New Guinea (Bougainville)
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SHERWOODI species-group

kerei Takaoka & Suzuki, 1994	Solomon Islands (New Georgia Island)
norose Takaoka & Suzuki, 1995	Solomon Islands (New Georgia Island); New Guinea (Bougainville)
pangunaense Takaoka, 1995	New Guinea (Bougainville)

'1' Yule, 1996 (<i>Simulium (Morops)</i> sp.)	
peggyae Takaoka, 1995	New Guinea (Bougainville)
rhopaloides Craig, Englund & Takaoka, 2006	Solomon Islands (Guadalcanal)
sherwoodi Stone & Maffi, 1971	Solomon Islands (Guadalcanal)
yuleae Takaoka, 1995	New Guinea (Bougainville)
'2' Yule, 1996 (<i>Simulium (Morops)</i> sp.)	

TRIRUGOSUM species-group

trirugosum Davies & Györkös, 1988	Sri Lanka
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VARICORNE species-group

burtoni Takaoka & Davies, 1995	Malaysia (Malaya); Thailand (?)
charlesi Takaoka, 2008	Malaysia (Sarawak)
chumpornense Takaoka & Kuvangkadilok, 2000 [in Kuvangkadilok & Takaoka]	Thailand
novemarticulatum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
shogakii (Rubtsov, 1962)	Japan (Honshu & Kyushu & Shikoku, Hok); China (Jilin, Li, Si), Korea (South)
'J-4' Bentinck, 1955 (<i>Simulium</i> sp.)	
<i>schogakii</i> : incorrect subsequent spelling	
tomae Takaoka, 2003	Indonesia (Sulawesi)
varicorne Edwards, 1929	Indonesia (Sumatra, Java); Malaysia (Malaya), Nepal

Gomphostilbia species unplaced to group

altayense Cai, An & Li, 2005	China (Xinjiang)
bannaense Chen & Zhang, 2003	China (Yunnan)
bataksense Takaoka & Tenedero, 2007	Philippines (Palawan)
guizhouense Chen, Zhang & Yang, 2003	China (Guizhou)
hunanense Zhang & Chen, 2004	China (Hunan)
jinbianense Zhang & Chen, 2004	China (Hunan)
<i>jinbinense</i> : incorrect subsequent spelling	
makartschenkovi (Bodrova, 1987)	Siberia (Sakhalin FE)
mamasaense Takaoka, 2003	Indonesia (Sulawesi)
meadowi Mahe, Ma & An, 2003	China (Xinjiang)
serratatum Takaoka, 2003	Indonesia (Sulawesi)
simianshanense Wang, Li & Sun, 1996	China (Sichuan)
<i>simiaushanense</i> : incorrect subsequent spelling	
sulawesiense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
sumatraense An, Nie & Chen, 2006 [in Nie, Chen, Li, An & Li]	Indonesia (Sumatra)
junior primary homonym of <i>sumatraense</i> Takaoka & Sigit, 1997, but no available subst. name)	
tashikulganense Mahe, Ma & An, 2003	China (Xinjiang)
vischarvi (Chubareva, 1996)	Tajikistan
yunnanense Chen & Zhang, 2004	China (Yunnan)
'A' Takaoka & Davies, 1995 (<i>Simulium</i> sp.)	Malaysia (Malaya)
'E' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'F' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (New Britain)
'G' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'H' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'J' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'I' Saito, Uemoto & Afzal, 1989 (<i>Simulium</i> sp.)	Pakistan
'Lakhimpur' Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam)
'Ranga' Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam)

Subgenus **HEBRIDOSIMULIUM** Grenier & Rageau

HEBRIDOSIMULIUM Grenier & Rageau, 1961 (as genus)*. Type species: *jolyi* (original designation)

CALLIPYGIUM species-group

banksi Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Vanua Lava)
callipygium Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Espíritu Santo, Vanua Lava)
johnfrumi Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Tanna, Erromango)
pankumuense Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Malekula)
tuberculum Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Éfaté)
[<i>jolyi</i> (part): Grenier & Rageau, 1961 / Crosskey, 1967, not Roubaud]	

STEATOPYGIUM species-group

adsonense Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Espíritu Santo)
anatolicum Craig, 1987	Society Islands (Tahiti)
? 'forbidden' Craig, 1983 (<i>Simulium</i> cytoform)	
jolyi Roubaud, 1906	Vanuatu (Malekula)
<i>jolii</i> : incorrect subsequent spelling	
laciniatum Edwards, 1924	Fiji (Viti Levu, Kadavu, Ovalau, Taveuni, Vanua Levu)
<i>laciniotum</i> : incorrect subsequent spelling	
[<i>jolyi</i> (part): Edwards, 1932 / Grenier & Rageau, 1961 / Crosskey, 1967, not Roubaud]	
lucyae Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Aneityum)
paradisium Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Espíritu Santo)
spiroi Craig, Currie & Hunter, 2006 [<i>in</i> Craig, Currie, Hunter Hunter & Spironello]	Vanuatu (Malekula)
steatopygium Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Éfaté, Espíritu Santo)
subparadisium Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello] ..	Vanuatu (Espíritu Santo)
supercilium Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Pentecôte)
undulatum Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Vanua Lava)

Subgenus **HELLICHIELLA** Rivosecchi & Cardinali

HELLICHIELLA Rivosecchi & Cardinali, 1975 (as genus). Type species: *saccai* (original designation)

PARAHELLICHIELLA Golini, 1982 (thesis) (unav., *nomen nudum*)

CONGAREENARUM species-group

acutum (Patrusheva, 1971)	Siberia (Yamal WS)
anatinum Wood, 1963 [1962]	Canada (Ontario, Alb, Man, Nfld, Nun, NWT, Que, Sask); USA (Alaska, Mic, Wis)
'H' Bennett, 1960 (<i>Simulium</i>)	
'T' Anderson & DeFoliart, 1961 (<i>Cnephia</i> sp.)	
[see Adler <i>et al.</i> , 2004 for misidentifications]	
barabense (Rubtsov, 1973)	Siberia (Novosibirskaya WS)
chiharuae Takaoka, Otsuka & Fukuda, 2007	Japan (Honshu)
'2' Onishi, Uemoto & Orii, 1971 (<i>Eusimulium</i> sp.)	
congareenarum (Dyar & Shannon, 1927)	USA (South Carolina, Del, Flo, Geo, Lou, Mar, Misp, NC, NJ, NY, Vir); Canada (NWT, Ont)
'b' Dunbar, 1967 (cytoform)	
<i>congareenarum</i> : incorrect subsequent spelling	
dogieli (Rubtsov, 1956, attrib. Usova)	Russia (Karelia KM); Belarus, Finland, Lithuania, Siberia (WS), Sweden
fallisi (Golini, 1975)	Norway
innocens (Shewell, 1952)	Canada (Ontario, BC, NWT); USA (Mic, Utah)
<i>innocens</i> : incorrect subsequent spelling	
latipes (Meigen, 1804) [ICZN List]	Germany [holotype validated ICZN Opinion 1416];

<i>subexcisum</i> Edwards, 1915 [Britain (England)]	Austria, Belgium, Britain (En, Sc), Denmark, Estonia,
<i>yerburyi</i> Edwards, 1920 [Britain (England)]	France, Ireland, Latvia, Netherlands, Russia (CR, KM),
<i>marinae</i> (Usova, 1987) (unav., <i>nomen nudum</i>)	Siberia (WS), Spain, Sweden, Switzerland, Ukraine,
<i>marinae</i> (Chubareva, Petrova & Kachvoryan, 1996)	Tunisia (?)
(unav., <i>nomen nudum</i>)	
<i>marinae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	
<i>subexcisum</i> : incorrect subsequent spelling	
minus (Dyar & Shannon, 1927)	USA (California)
nebulosum Currie & Adler, 1986	Canada (British Columbia: Queen Charlotte Islands and
[<i>anatinum</i> : Mahr, 1982, not Wood]	mainland); USA (Alaska, Cal, Idaho, Ore, Was)
[<i>gouldingi</i> : Mahr, 1982, not Stone]	
[oligocenicum Rubtsov, 1936]	[Russia (Kaliningrad): Oligocene (Baltic amber)]
rendalense (Golini, 1975)	Norway; Canada (NWT), Finland, Russia (NR), Sweden
‘1’ Golini, 1970 (thesis) (<i>Eusimulium</i> sp., part)	
<i>randalense</i> : incorrect subsequent spelling	
rivi (Ivashchenko, 1970)	Russia (Ivanovo CR)
saccai (Rivosecchi, 1967)	Italy
sedecimfistulata Rubtsov, 1963	Poland
tsheburovae (Rubtsov, 1956)*	Russia (Murmansk KM); Finland, Norway, Sweden
turneri Gibbins, 1938	‘South Africa (Western Cape)’ [? error]
usovae (Golini, 1987)	Norway; Canada (Nun), Finland, Sweden
‘1’ Golini, 1970 (thesis) (<i>Eusimulium</i> sp., part)	
‘near <i>dogieli</i> ’ Golini, 1975 (<i>Eusimulium</i>)	
‘Opinaca’ Golini, 1982 (thesis) / Rothfels & Golini,	Canada (Quebec)
1983 (<i>Hellichella</i> cytoform)	
‘Opinaga’: Golini, 1982 (thesis) (lapsus)	

RIVULI species-group

curriei Adler & Wood, 1991	USA (California, Ari, Col, Ore, Utah); Canada (BC)
excisum Davies, Peterson & Wood, 1962 [1961]	Canada (Ontario, BC, NB, Nun, NWT, Man, Que); USA
‘near <i>subexcisum</i> ’ Shewell, 1957	(Alaska, Mic, Min, NY)
? ‘#1’ Anderson & Dicke, 1960 (<i>Cnephia</i> sp.)	
[<i>gouldingi</i> : authors (Alaska), not Stone]	
[<i>subexcisum</i> : Canadian authors, not Edwards]	
mysterium Adler, Currie & Wood, 2004	USA (California)
rivuli Twinn, 1936	Canada (Ontario, Que); USA (Con, Maine, Mas, Pen)
‘near <i>innocens</i> ’ Adler <i>et al.</i> , 1982	

Subgenus HEMICNETHA Enderlein

- HEMICNETHA** Enderlein, 1934 (as genus). Type species: *paynei*, as *mexicana* Enderlein (original designation)
- HEARLEA* Rubtsov, 1940 (unav., *nomen nudum*)
- DYARELLA* Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *tarsatum*, as *mexicanum* Bellardi (original designation)
- HEARLEA* Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *canadense* (original designation)
- HAGENOMYIA* Shewell, 1959 (as subgenus of *Simulium*) (preocc.). Type species: *pictipes* (original designation)
- SHEWELLOMYIA* Peterson, 1975 (subst. name for *Hagenomyia* Shewell, therefore same type species)

CANADENSE species-group*

ayrozai Vargas, 1945	Mexico (Federal District, MS, Pu); Guatemala
<i>ayrosai</i> : incorrect subsequent spelling	
burchi Dalmat, 1951	Guatemala
canadense Hearle, 1932	Canada (British Columbia); Mexico (Du, FD, Ms, Ox,
<i>fraternum</i> Twinn, 1938 [USA (Utah)]	Pu, Vz), USA (Ari, Cal, Col, Flo, Idaho, Nev, NM, Ore,
<i>canidense</i> : incorrect subsequent spelling	SD, Utah, Was, Wyo)

[<i>virgatum</i> : Hearle, 1929, not Coquillett]	
capricorne De León, 1945	Guatemala; Mexico (Ch, Du, FD, Mo, MS, Ox, Pu, Vz)
<i>deleoni</i> Vargas, 1945 [Mexico (Federal District)]	
carolinae De León, 1945	Guatemala; Mexico (Ch, Ox, Vz)
chiriquiense Field, 1967	Panama; Costa Rica
contrerense Díaz Nájera & Vulcano, 1962	Mexico (Federal District, Mo, Ox)
dalmati Vargas & Díaz Nájera, 1948	Mexico (Veracruz, Mo)
delatorrei Dalmat, 1950	Guatemala; Mexico (Ch)
estevezi Vargas, 1945	Mexico (Oaxaca, Ch, FD, Gu, Mo, Vz)
[<i>canadense</i> : Vargas, 1943, not Hearle]	
ethelae Dalmat, 1950	Guatemala; Mexico (Ch)
gorirossiae Vargas & Díaz Nájera, 1957	Mexico (Chiapas, Ox, Vz); Guatemala
<i>gorirossii</i> : incorrect original spelling (justifiably emended -ae)	
johnsoni Vargas & Díaz Nájera, 1957	Mexico (Veracruz, Mi, Ox)
juarezi Vargas & Díaz Nájera, 1957	Mexico (Oaxaca, Ch, Mi, MS, Vz)
larvispinosum De León, 1948	Guatemala; Mexico (Ch)
menchacai Vargas & Díaz Nájera, 1957	Mexico (Oaxaca)
microbranchium Dalmat, 1949	Guatemala
nigricorne Dalmat, 1950	Guatemala
paracarolinae Coscarón, 2004 [<i>in</i> Coscarón, Miranda-Esquivel, Moulton, Coscarón-Arias & Ibáñez-Bernal]	Guatemala
<i>paracarolinae</i> Coscarón, Miranda-Esquivel, Moulton, Coscarón-Arias & Ibáñez-Bernal, 2002 (unpublished under <i>Code</i> Article 9.9)	
temascalense Díaz Nájera & Vulcano, 1962	Mexico (Michoacan, Ox)

PAYNEI species-group

biuxinisa Coscarón & Ibáñez-Bernal, 1995 [1993]	Mexico (Oaxaca)
brachycladum Lutz & Pinto, 1932 [1931] [<i>in</i> Pinto]	Brazil (Pernambuco, Bahía, Ceará, ES, MG, Pba, RGN, RJ, SP)
<i>brevibranchium</i> Lutz & Machado, 1915 (unav., <i>nomen nudum</i>)	
<i>brachycladium</i> : incorrect subsequent spelling	
<i>brevibranchium</i> : incorrect subsequent spelling	
bricenoi Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Mexico State, Du, FD, Gj, Hi, Mo, Vz); USA
<i>wirthi</i> Peterson & Craig, 1997 [1996] [USA (New Mexico)]	(Ari, NM)
? 'C & D' Muhammad, 1988 (thesis) (<i>virgatum</i> cytoforms)	
<i>briseñoi</i> : incorrect subsequent spelling	
crystalinum Coscarón & Py-Daniel, 1989 [or ? issued 1991]	Brazil (Roraima)
falculatum (Enderlein, 1929)*	Mexico (Veracruz)
<i>coffae</i> Vargas, 1945 (unnecessary subst. name, for <i>falculatum</i>)	
guerrerense Vargas & Díaz Nájera, 1956	Mexico (Guerrero)
[<i>pulverulentum</i> : Vargas, 1943 / Vargas <i>et al.</i> , 1946, not Knab]	
hippovororum Malloch, 1914	Mexico (Chihuahua); Canada (BC), USA (Cal, Idaho, Ore)
[<i>virgatum</i> : authors, not Coquillett]	
lobatoi Luna Dias, Hernández, Maia-Herzog & Shelley, 2004	Brazil (Goiás, MGr)
paynei Vargas, 1942 (subst. name)	Mexico ([no type loc.], Ch, Co, Du, FD, Gu, Ja, Mi, Mo, MS, NL, Ox, Pu, Si, SLP, Vz); Colombia, Costa Rica, Ecuador, Guatemala, Nicaragua, Panama, Peru (Junin, Lima), USA (Ari, NM, Okl, Texas), Venezuela
<i>mexicanum</i> (Enderlein, 1934) (preocc.) [Mexico (? state)]	
<i>mathesoni</i> Vargas, 1943 [Mexico (Morelos)]	
<i>bilimekae</i> Smart, 1944 (unnecessary subst. name, for <i>mexicanum</i> Enderlein)	
<i>acatenangoense</i> Dalmat, 1951 [Guatemala]	
<i>conviti</i> Ramírez-Pérez & Vulcano, 1973 [Venezuela]	
? 'A' Muhammad, 1988 (thesis) (<i>virgatum</i> cytoform)	
'B' Muhammad, 1988 (thesis) (<i>virgatum</i> cytoform)	
<i>paynes</i> , <i>paynoi</i> , <i>peynei</i> : incorrect subsequent spellings	
[<i>virgatum</i> : authors (Oklahoma) / Vargas <i>et al.</i> , 1946 / Dalmat, 1955, not Coquillett]	
pulverulentum Knab, 1915 [1914]	Belize; Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico (Ch, Gu, Hi, Mi, Mo, Ox, SLP, Vz),

rubrithorax Lutz, 1909	Nicaragua, Panama, Venezuela. ['Guyana' error]
<i>magnum</i> Lane & Porto, 1940 [<i>in</i> Porto] [Brazil (Mato Grosso)]	Brazil (Minas Geiras [neotype], Bahía, Ceará, Goiás,
<i>mutucuna</i> Nunes de Mello & Vieira da Silva, 1974 [Brazil (Roraima)]	MGr, RGS, RJ, Ror, SC, SP); Argentina (Mis), Bolivia,
<i>major</i> : incorrect subsequent spelling (of <i>magnum</i>)	Colombia, Venezuela. ['Guyana' error]
<i>rubritorax</i> : incorrect subsequent spelling	
solarii Stone, 1948	USA (Texas, NM); Mexico (MS, NL, SLP, Ta)
[<i>virgatum</i> : authors, not Coquillett]	
[<i>Prosimulium</i> sp.: Sites & Nichols, 1990, not Roubaud]	
virgatum Coquillett, 1902 (complex)	USA (New Mexico, Ari, Col, Neb, SD, Texas, Utah,
<i>cinereum</i> Bellardi, 1859 (preocc.) [Mexico (Morelos)]	Wyo); Belize, El Salvador, Guatemala, Mexico (Ca,
<i>tephrodes</i> Speiser, 1904 (subst. name)	Ch, Co, Du, Ja, Mi, Mo, Ox, Si, SLP, Tb, Vz), Panama
<i>rubicundulum</i> Knab, 1915 [1914] [Mexico (Veracruz)]	
<i>chiapanense</i> Hoffmann, 1930 [Mexico (Chiapas)]	
<i>chiapense</i> : incorrect subsequent spelling	

PICTIPES species-group

claricentrum Adler, 1990	USA (Pennsylvania, Ark, Misr, NY, Okl, Ten)
'a' [also 'A'] Reisen, 1974 (<i>Simulium</i> sp.)	
'A' Bedo, 1975 (<i>pictipes</i> cytoform)	
innoxium Comstock & Comstock, 1895	USA (New York, Ala, Geo, Ken, Mar, Mic, Min, Misr,
<i>aldrichianum</i> (Enderlein, 1936) [USA (New York)]	NC, Pen, SC, Ten, Vir, WV); Canada (Ont, Que)
'B' Bedo, 1975 (<i>pictipes</i> cytoform)	
[<i>pictipes</i> : authors, not Hagen]	
pictipes Hagen, 1880	USA (New York, Mic, Min); Canada (Alb, Lab, Man,
<i>longistylatum</i> Shewell, 1959 [Canada (Quebec)]	Nfld, NWT, Ont, Que, Sask)
'nr. <i>pictipes</i> ' Shewell, 1957 (<i>Simulium</i> sp.)	
'M' Wolfe & Peterson, 1959 (<i>Simulium</i> sp.)	

TARSATUM species-group

earlei Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Morelos, Co, FD, Gu, Mi, MS, NL, Ox, Vz);
<i>dehnei</i> Field, 1969 [Panama]	Belize, Costa Rica, Guatemala, Panama
<i>deheni</i> : incorrect subsequent spelling	
<i>earli</i> : incorrect subsequent spelling	
freemani Vargas & Díaz Nájera, 1949	Mexico (Oaxaca, Gj, Gu, Mi); Costa Rica, USA (Ari,
	NM, Utah)
hieroglyphicum Peterson, Vargas & Ramírez-Pérez, 1988*	Costa Rica; Panama
hinmani Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Mexico State, Ch, Co, FD, Ja, Ox, Vz)
keenani Field, 1969	Panama
oviedoi Ramírez-Pérez, 1971*	Venezuela
rivasi Ramírez-Pérez, 1971*	Venezuela
<i>ribai</i> , <i>ribasi</i> , <i>rivai</i> : incorrect original spellings	
smartii Vargas, 1946	Mexico (Chiapas, Ox); Guatemala
tarsale Williston, 1896	Saint Vincent; Dominica, Guadeloupe
<i>clavipes</i> Malloch, 1914 [Guadeloupe]	
tarsatum Macquart, 1846 [1844]	Colombia; Argentina (Jujuy), Belize, Bolivia, Costa Rica,
<i>mexicanum</i> Bellardi, 1862 [1864/5] [Mexico (Veracruz)]	Ecuador, El Salvador, Guatemala, Honduras, Mexico
<i>seriatum</i> Knab, 1914 [Peru (Lima)]	(Ch, MS, Ox, Ver), Panama, Peru (Cuzco, Lima),
<i>aureopunctatum</i> Malloch, 1914 [Guatemala]	Trinidad (incl. Tobago), Venezuela
<i>placidum</i> Knab, 1915 [Trinidad]	
<i>lugubre</i> Lutz & Nuñez Továr, 1928 [<i>in</i> Lutz] [Venezuela]	
<i>turgidum</i> (Hoffmann, 1930) [Mexico (Chiapas)]	
<i>laticalx</i> (Enderlein, 1934) [1933] [Peru (Cuzco)]	
<i>latidigitus</i> (Enderlein, 1936) [Colombia]	
<i>bellardii</i> (Py-Daniel & Moreira Sampaio, 1994) (unnecessary	
subst. name for <i>mexicanum</i> Bellardi)	
yepocapense Dalmat, 1949	Guatemala; Mexico (Chiapas, Du)

ardeni Dalmat, 1953 [Guatemala]

Subgenus INAEQUALIUM Coscarón & Wygodzinsky

INAEQUALIUM Coscarón & Wygodzinsky, 1984 (as subgenus of *Simulium*). Type species: *inaequale* (original designation)
INAEQUALIUM Coscarón, 1981 [1980] (unav., *nomen nudum*)
INAEQUALIM: incorrect subsequent spelling

BOTULIBRANCHIUM species-group

botulibranchium Lutz, 1910 Brazil (Rio de Janeiro, RGS, SC, SP); Argentina (Mis)
botulibronchium, *butulibranchium*, *tulibranchium*:
incorrect subsequent spellings
petropoliense Coscarón, 1981 [1980] Brazil (Rio de Janeiro)
souzalopesi Coscarón, 1981 [1980] Brazil (Rio de Janeiro)

INAEQUALE species-group

clavibranchium Lutz, 1910 Brazil (São Paulo, MG, RGS, RJ, Ron, SC)
[*subclavibranchium*: authors (except Brazil [Rôndonia]), not Lutz]
diversibranchium Lutz, 1910 Brazil (São Paulo, MG, RGS, RJ, SC); Argentina (Mis)
missionum Coscarón, 1976 [Argentina (Misiones)]
inaequale (Paterson & Shannon, 1927) Argentina (Tucumán [neotype], Jujuy, Mis, Salta);
Bolivia, Brazil (Amapá, Bahía, BFD, ES, Goiás, MG,
baiense Pinto, 1932 [1931] [Brazil (Bahía)]
manicatum (Enderlein, 1934) [1933] [Paraguay]
argentatum (Enderlein, 1936) [Peru ('Hoch-Peru')]
clarki Fairchild, 1940 [Panama]
jundiaense d' Andretta & Dolores González, 1964 [Brazil (São Paulo)]
pseudoexiguum Nunes de Mello & Barbosa de Almeida, 1974 [Brazil
(Roraima)]
hauseri Strieder, 1998 (thesis) (unav., *nomen nudum*)
hauseri Coscarón & Coscarón-Arias, 2007 (unav.,
nomen nudum)
jundiaense: incorrect subsequent spelling
[*subnigrum*: Pinto 1932 [1931] (part), not Lutz]
lundi (Py-Daniel & Barbosa, 2007)* Brazil (Amazonas)
maranguapense (Pessoa, Ríos-Velásquez & Py-Daniel, 2005) Brazil (Ceará)
margaritatum Pepinelli, Hamada & Luz, 2006 Brazil (Bahía)
mariavulcanoae Coscarón & Wygodzinsky, 1984 Brazil (São Paulo)
rappae Py-Daniel & Coscarón, 1982 Brazil (Minas Gerais, Goiás, RJ, SP)
subnigrum Lutz, 1910 Brazil (Rio de Janeiro, Bahía, BFD, Ceará, Goiás, MG,
diversifurcatum Lutz, 1910 [Brazil (São Paulo)]
subclavibranchium Lutz, 1910 [Brazil (Rondônia)]
nogueirai d' Andretta & González, 1964 [Brazil (São Paulo)]
mbarigui Coscarón & Wygodzinsky, 1973 [Argentina (Misiones)]
beaupertuyi Ramírez-Pérez, Rassi & Ramírez, 1977 [Venezuela]
nahimi Py-Daniel, 1984 [Brazil (Mato Grosso)]
leopoldense Strieder, 1998 (thesis) (unav., *nomen nudum*)
leopoldense (Strieder & Py-Daniel, 2000) [Brazil (Rio Grande do Sul)]
nogueirai: incorrect subsequent spelling
travassosi d' Andretta & d' Andretta, 1947 Brazil (Rio de Janeiro, Goiás, MG, RGS, SC, SP);
Argentina (Mis)
[*botulibranchium*: Pinto 1932 [1931], not Lutz]

Inaequalium species unplaced to group

lurybayae Smart, 1944 (subst. name) Bolivia
angustifrons (Enderlein, 1934) [1933] (preocc.)
luribayae: incorrect subsequent spelling

parimaense Ramírez-Pérez, Yarzabal, Takaoka, Tada &
Ramírez, 1987 [1986] Venezuela

Subgenus INSELIELLUM Rubtsov

INSELIELLUM Rubtsov, 1974 (as genus)*. Type species: *oviceps* (original designation)

CASTANEUM species-group

adamsoni Edwards, 1932	Marquesas Islands (Hiva-Oa, Fatu-Hiva, Ua-Pou)
'3' Séchan, 1983 [<i>in Klein et al.</i>] (<i>Simulium</i> sp.)	
adelaideae Craig, 2004	Society Islands (Tahiti)
admixtum Craig, 1987	Society Islands (Tahiti)
caesariatum Craig & Joy, 2000	Society Islands (Tahiti)
castaneum Craig, 1987	Society Islands (Raiatea)
cataractarum Craig, 1987	Society Islands (Tahiti, Moorea)
'IS' Craig, 1983 (cytoform)	
'Moorean' Spironello, Hunter & Craig, 2002 (cytoform)	Moorea
'Tahitian' Spironello, Hunter & Craig, 2002 (cytoform)	Tahiti
cheesmanae Edwards, 1927	Society Islands (Tahiti)
<i>chesmande</i> : incorrect subsequent spelling	
fararae Craig & Joy, 2000	Society Islands (Tahiti)
hirticranium Craig & Joy, 2000	Society Islands (Tahiti)
hispidum Craig & Joy, 2000	Society Islands (Tahiti)
jnabsium Craig, 1997	Society Islands (Tahiti)
joyae Craig, 2000 [<i>in Craig & Joy</i>]	Society Islands (Tahiti)
lonckeii Craig, 1997	Society Islands (Tahiti)
pallidicranium Craig & Joy, 2000	Society Islands (Tahiti)
pufauense Craig, 1997	Society Islands (Raiatea)
shannonae Craig, 1997	Society Islands (Tahiti, Moorea)
sublonckeii Craig, 2004	Society Islands (Tahiti)

OVICEPS species-group

bogusium Craig, 1997	Society Islands (Raiatea)
clibanarius Craig, 1997 [noun, ending emended]	Society Islands (Tahiti)
concludium Craig, 1997	Society Islands (Moorea, Tahiti)
dussertorum Craig, 1997	Society Islands (Tahiti, Moorea)
mesodontium Craig, 1987	Society Islands (Tahiti)
middlemissae Craig, 1997	Society Islands (Tahiti, Moorea)
neoviceps Craig, 1987	Society Islands (Tahiti, Moorea)
'neoviceps' [vernacular] Craig, 1983 (<i>Simulium</i> cytoform)	
oviceps Edwards, 1933 (complex)	Society Islands (Tahiti, Moorea, Raiatea)
proctorae Craig, 1997	Society Islands (Raiatea)

TAHITIENSE species-group

arlecchinum Craig, 1987	Society Islands (Tahiti)
connae Craig, 1997	Society Islands (Tahiti)
dojeycorium Craig, 1997	Society Islands (Tahiti)
exasperans Craig, 1987	Society Islands (Tahiti, Moorea)
? 'IIS' Craig, 1983 (<i>Simulium</i> cytoform)	
fossatae Craig, 1997	Society Islands (Tahiti)
pseudocorium Craig & Joy, 2000	Society Islands (Moorea)
tahitiense Edwards, 1927 (complex)	Society Islands (Tahiti)

Inseliellum species unplaced to group

buissoni Roubaud, 1906	Marquesas Islands (Nuku-Hiva, Eiao, Hiva-Oa, Ua-Huka)
englundi Craig, 2004	Marquesas Islands (Mohotani)
evenhuisi Craig, 1997	Society Islands (Tahiti)
gallinum Edwards, 1932	Marquesas Islands (Hiva-Oa, Fatu-Hiva, Tahuata, Ua-Huka, Ua-Pou)
guamense Stone, 1964	Guam
hukaense Séchan, 1983 [<i>in</i> Klein, Rivière & Séchan]	Marquesas Islands (Ua-Huka [neotype], Nuku-Hiva, Ua-Pou)
lotii Craig, 1987	Society Islands (Tahiti, Huahine, Moorea, Raiatea, Tahaa)
<i>opunohuense</i> Craig, 1987 [Society Islands (Moorea)]	
‘light’ Craig, 1987 (<i>Simulium</i> cytoform)	
malardei Craig, 1987	Society Islands (Tahiti, Bora Bora, Huahine, Moorea, Raiatea, Tahaa)
‘new’ Craig, 1983 (<i>Simulium</i> cytoform)	
maraaense Craig, 1997	Society Islands (Tahiti)
mataverense Craig & Craig, 1986	Cook Islands (Rarotonga)
‘damn’ Craig, 1983 (<i>Simulium</i> cytoform and morphoform)	
mumfordi Edwards, 1932	Marquesas Islands (Hiva-Oa)
pichoni Craig, Fossati & Séchan, 1995	Marquesas Islands (Fatu-Hiva)
rivierei Craig, Fossati & Séchan, 1995	Marquesas Islands (Fatu-Hiva, Hiva-Oa, Ua-Pou)
rurutuense Craig, 1997	Austral Islands (Rurutu)
sechani Craig & Fossati, 1995 [<i>in</i> Craig, Fossati & Séchan]	Marquesas Islands (Eiao, Nuku-Hiva)
teruamanga Craig & Craig, 1986	Cook Islands (Rarotonga)
‘teruamanga’ [vernacular] Craig, 1983 (<i>Simulium</i> cytoform and morphoform)	
trukense Stone, 1964	Federated States of Micronesia (Chuuk = Truk Islands)
uaense Séchan, 1983 [<i>in</i> Klein, Rivière & Séchan]	Marquesas Islands (Ua-Pou, Ua-Huka)
‘1’ Séchan, 1983 [<i>in</i> Klein <i>et al.</i>] (<i>Simulium</i> sp.)	Marquesas Islands (Nuku-Hiva)
‘2’ Séchan, 1983 [<i>in</i> Klein <i>et al.</i>] (<i>Simulium</i> sp.)	Marquesas Islands (Nuku-Hiva)

Subgenus LEWISELLUM Crosskey

LEWISELLUM Crosskey, 1969 (as subgenus of *Simulium*). Type species: *neavei* (original designation)

atyphilum Lewis & Disney, 1969	Cameroon
ethiopiense Fain & Oomen, 1968	Ethiopia
goinyi Lewis & Hanney, 1965	Kenya; Uganda
<i>goinyi</i> Lewis, 1961 (<i>ovazzae</i> ssp.) (unav., <i>nomen nudum</i>)	
‘Kenya “woody”’ Lewis, 1961 (morphoform)	
hightoni Lewis, 1961	Kenya; Uganda
[<i>nyasalandicum</i> : McMahon, 1957, not De Meillon]	
kivuense Gouteux, 1978 [1977]	Democratic Republic of Congo; Burundi (?), Rwanda (?), Uganda (?)
neavei Roubaud, 1915	Uganda; Democratic Republic of Congo, Kenya, Angola (?)
<i>renauxi</i> Wanson & Lebied, 1950 [Democratic Republic of Congo]	
<i>naevei</i> , <i>neavi</i> , <i>noevei</i> : incorrect subsequent spellings	
nyasalandicum De Meillon, 1930	Malawi; Kenya, Tanzania, Ethiopia (?)
‘Amani unbanded’ Lewis, 1960 (morphoform)	
‘Amani’ Lewis, 1961 (morphoform)	
‘Amani form A’ Procnier & Muro, 1994 (<i>neavei</i> cytoform)	
<i>nvassalandicum</i> , <i>nyazalandicum</i> , <i>nyazlandicum</i> : incorrect subsequent spellings	
ovazzae Grenier & Mouchet, 1959	Cameroon; Congo, Democratic Republic of Congo, Ivory Coast, Liberia, Uganda
<i>ivoriense</i> Gouteux, 1979 [1978] (ssp.) [Ivory Coast]	
woodi De Meillon, 1930	Malawi; Tanzania, Zambia (?)
‘Amani banded’ Lewis, 1960 (morphoform)	

- ‘Amani form B’ Procnier & Muro, 1994 (*neavei* cytoform)
 ‘Uvinza’ Lewis & Raybould, 1974 (*Simulium* sp.) Tanzania

Subgenus MEILLONIELLUM Rubtsov

MEILLONIELLUM Rubtsov, 1962 (as genus). Type species: *hirsutum* (original designation)

- adersi** Pomeroy, 1922 Tanzania (Zanzibar, mainland); Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Comoro Islands (Anjouan), Congo, Democratic Republic of Congo, Ethiopia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Lesotho, Malawi, Mali, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa (EC, FS, G, KZN, L, M, NC, NW, WC), Sudan Swaziland, Togo, Uganda, Zambia, Zimbabwe
adersi: incorrect subsequent spelling
- hirsutum** Pomeroy, 1922 Tanzania; Angola, Burundi, Cameroon, Democratic Republic of Congo, Ethiopia, Kenya, Malawi, Mozambique, Nigeria, South Africa (EC, KZN, L, M, WC), Sudan, Swaziland, Uganda, Zimbabwe. [‘Sierra Leone’ error]
dubium Pomeroy, 1922 [Tanzania]
- sexiens** De Meillon, 1944 Kenya; Democratic Republic of Congo, Ethiopia, Rwanda
- urundiense** Fain, 1950 Burundi; Ethiopia (?)
urundiesi: incorrect subsequent spelling
- yemenense** Crosskey & Garms, 1982 [*in* Crosskey & Büttiker] Yemen; Saudi Arabia (Asir)
urundiense: Rivosecchi, Merighi & Parrinello, 1969, not Fain]

Subgenus METOMPHALUS Enderlein

METOMPHALUS Enderlein, 1935 (as genus). Type species: *medusaeforme*, as *caffer* (original designation)

BOVIS species-group

- albivirgulatum** Wanson & Henrard, 1944 Democratic Republic of Congo; Angola, Botswana, Congo, Gabon, South Africa (KZN), Zambia, Zimbabwe
albovirgulatum: incorrect subsequent spelling
- arnoldi** Gibbins, 1937 Zimbabwe; Kenya, Tanzania, Zambia, Sudan (?)
- bovis** De Meillon, 1930 South Africa (KwaZulu Natal, EC, L, M, WC); Angola, Benin, Burkina Faso, Cameroon, Democratic Republic of Congo, Eritrea, Ethiopia, Guinea, Kenya, Malawi, Mozambique, Namibia, Nigeria, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe
faini Wanson, 1947 [Democratic Republic of Congo]
ulangae Lewis & Raybould, 1974 (ssp.) [Tanzania]
- chutteri** Lewis, 1965 South Africa (Northern Cape, EC, FS, NW); Lesotho, Namibia
- dawaense** Uemoto, Ogata & Mebrahtu, 1977 Ethiopia
- eouzani** Germain & Grenier, 1970 [1969] Cameroon
- fragai** Abreu, 1960 Angola; Namibia
fraga: incorrect subsequent spelling
- gibense** Uemoto, Ogata & Mebrahtu, 1977 Ethiopia
- janzi** Abreu, 1961 Angola
- jimmaense** Uemoto, Ogata & Mebrahtu, 1977 Ethiopia
- kwangoense** Fain & Elsen, 1974 Democratic Republic of Congo
- wellmanni** Roubaud, 1906 Angola; Burundi, Cameroon, Democratic Republic of Congo, Rwanda, South Africa (EC, FS, KZN, L, M), Swaziland, Zambia
magoebae De Meillon, 1935 [South Africa (Limpopo)]
wellmani: incorrect subsequent spelling
- ‘Sudan A’ Lewis, 1965 (*Simulium*) Sudan

[arnoldi: Freeman & De Meillon, 1953 (part), not Gibbins]

MEDUSAEFORME species-group

africanum Gibbins, 1934	Uganda; Kenya, Lesotho
<i>trimicrosphaerae</i> Fain, Bafort & Silberstein, 1976 (ssp.) [Kenya]	
<i>trimicrosphaerae</i> : incorrect subsequent spelling	
akouense Fain & Elsen, 1973	Cameroon
cavum Gibbins, 1938 (subst. name)	Uganda
<i>obscurum</i> Gibbins, 1937 (preocc.) [Uganda]	
colasbelcouri Grenier & Ovazza, 1951	Congo; Angola, Cameroon, Democratic Republic of Congo, Equatorial Guinea (Bioko), Guinea, Ivory Coast, Liberia, Sudan
<i>tchabalense</i> Fain & Elsen, 1973 (ssp.) [Cameroon]	
crosskeyi Lewis & Disney, 1970	Cameroon
‘Wowe’ Disney, 1969 (<i>Simulium</i> morphoform)	
danense Gouteux, 1979 [1978]	Ivory Coast
futaense Garms & Post, 1966	Guinea; Cameroon, Ivory Coast, Liberia
gyas De Meillon, 1951	Madagascar
‘M6’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
hargreavesi Gibbins, 1934	Uganda; Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Congo, Democratic Republic of Congo, Eritrea, Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Malawi, Mali, Mozambique, Nigeria, Rwanda, Saudi Arabia (Asir), Sierra Leone, South Africa (EC, KZN, M, NC, NW), Sudan, Swaziland, Tanzania, Togo, Uganda, Yemen, Zambia, Zimbabwe
<i>elgonense</i> Gibbins, 1934 [Uganda]	
<i>tisiphone</i> De Meillon, 1936 [South Africa (KwaZulu Natal)]	
<i>loangolense</i> Roubaud & Grenier, 1943 [Democratic Republic of Congo]	
<i>hargreavesi</i> : incorrect subsequent spelling	
<i>elgoneus</i> : incorrect subsequent spelling	
kingundense Fain & Elsen, 1974	Democratic Republic of Congo
letabum De Meillon, 1935	South Africa (Limpopo, EC, KZN, M); Lesotho, Swaziland (?)
medusaeforme Pomeroy, 1920	Cameroon; Angola, Burundi, Democratic Republic of Congo, Ethiopia, Kenya, Lesotho, Malawi, Mozambique, Rwanda, South Africa (EC, FS, G, KZN, M, NC, NW), Swaziland, Tanzania, Uganda, Zambia, Zimbabwe
<i>ugandae</i> Gibbins, 1934 [Uganda]	
<i>capense</i> (Enderlein, 1935) [South Africa (Western Cape)]	
<i>caffrum</i> (Enderlein, 1935, <i>caffra</i>) [South Africa (‘Caffraria’)]	
<i>pseudomedusaeforme</i> De Meillon, 1936 [South Africa (KwaZulu Natal)]	
<i>angolense</i> Abreu, 1961 (unav., var. post-1960)	
<i>medusoeformis</i> : incorrect subsequent spelling	
natalense De Meillon, 1950	South Africa (KwaZulu Natal)
ngouense Fain & Elsen, 1973	Cameroon; Nigeria
[<i>colasbelcouri</i> : Crosskey, 1957, not Grenier & Ovazza]	
pentaceros Grenier & Brunhes, 1972	Madagascar
ruandae Fain, 1950	Rwanda; Democratic Republic of Congo
taylori Gibbins, 1938	Uganda; Tanzania
<i>taylori</i> Gibbins, 1937 (unav., <i>nomen nudum</i>)	
‘Mahenge’ Lewis & Raybould, 1974 (morphoform)	
tondewandouense Fain & Elsen, 1973	Cameroon
touffeum Gibbins, 1937	Uganda; Kenya
vorax Pomeroy, 1922	Tanzania; Angola, Benin, Burkina Faso, Burundi, Democratic Republic of Congo, Ethiopia, Kenya, Lesotho, Malawi, Mali, Mozambique, Nigeria, Rwanda, South Africa (EC, FS, KZN, L, M, WC), Swaziland, Tanzania, Togo, Uganda, Sudan, Zambia, Zimbabwe
<i>limbatum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>limbatum</i> Enderlein, 1921 [December] (preocc.) [Tanzania]	
<i>lepidum</i> De Meillon, 1935 [South Africa (Limpopo)]	
<i>tangae</i> Smart, 1944 (subst. name, for <i>limbatum</i>)	
zombaense Freeman & De Meillon, 1953	Malawi

Subgenus MONTISIMULIUM Rubtsov

MONTISIMULIUM Rubtsov, 1974 (as genus). Type species: *schevyakovi* (original designation)

alizadei (Djafarov, 1954)	Azerbaijan; Armenia, China (Si), Russia (Caucasus), Turkey
<i>gviletense</i> (Rubtsov, 1956) [Russia (Caucasus)]	
<i>lachense</i> (Rubtsov, 1962) [Azerbaijan]	
<i>megrichaense</i> (Rubtsov, 1962) [Armenia]	
<i>alisadei</i> , <i>alisedei</i> : incorrect subsequent spellings	
<i>gwiletense</i> : incorrect subsequent spelling	
alpinum Rubtsov, 1947	Kyrgyzstan
angkaense Takaoka & Choochote, 2005	Thailand
arpiense (Terteryan & Kachvoryan, 1982)	Armenia
assadovi (Djafarov, 1956)	Azerbaijan; Iran
asulcatum (Rubtsov, 1956)	Uzbekistan
bartangum (Chubareva, 2000)	Tajikistan
brachystylum (Rubtsov, 1976)	Tajikistan
brevicorne (Rubtsov, 1964)	Tajikistan
bulbosum Lewis, 1973	Pakistan
chowi Takaoka, 1979	Taiwan
<i>chuanbeiense</i> Chen & Zhang, 2007 [<i>in</i> Liu, Wen & Chen]	China (Sichuan)
(unav., <i>nomen nudum</i>)	
concastylum Deng, Zhang & Chen, 1995	China (Tibet)
<i>concastylum</i> Sun, 1994 (attrib. Duang & Chen, 1993)	
(unav., <i>nomen nudum</i>)	
<i>concaustylum</i> : incorrect subsequent spelling	
danijari (Chubareva & Ismagulov, 1992)	Kazakhstan
dattai Takaoka & Somboon, 2008	Bhutan; India (WB)
‘B’ Datta, Dey & Paul, 1975 (<i>Simulium</i> sp.)	
decafile (Rubtsov, 1976)	Kazakhstan
<i>decafilium</i> (Yankovsky, 1996) (unnecessary subst. name)	
decimfilium (Rubtsov, 1956)	Uzbekistan; Tajikistan
djebaglense (Rubtsov, 1956)	Kyrgyzstan
duodecimcornutum (Rubtsov, 1956) (subst. name)	Tajikistan
<i>duodecimfilum</i> (Rubtsov, 1947, as <i>12-filum</i>) (unav., <i>nomen nudum</i>)	
<i>duodecimatum</i> (Rubtsov, 1951) (preocc.)	
<i>duodecimcornatum</i> : incorrect subsequent spelling	
euryplatamus Sun, 1994	China (Liaoning)
<i>euryplatamus</i> Sun & Song, 1995 (repeat description as sp. nov.)	
ghoomense Datta, 1975	India (West Bengal); China (Tibet)
hailuogouense Chen, Huang & Zhang, 2005	China (Sichuan)
heishuiense Chen & Wen, 2006 [<i>in</i> Wen & Chen]	China (Sichuan)
inflatum (Rubtsov, 1951)	Tajikistan
jasgulemum (Chubareva, 2000)	Tajikistan
jiajinshanense Zhang & Chen, 2006	China (Sichuan)
<i>jisigouense</i> Chen & Zhang, 2007 [<i>in</i> Liu, Wen & Chen]	China (Sichuan)
(unav., <i>nomen nudum</i>)	
kambaitense Takaoka, 1989	Burma
kerzhneri (Rubtsov, 1975)	Mongolia
kirgisorum (Rubtsov, 1956)	Kyrgyzstan; China (Be, Hubei, Tibet, Yu)
<i>kirgisorum</i> (Xue, 1991) (secondary homonym of <i>kirgisorum</i> Rubtsov, 1956, but no available subst. name)	China (Yunnan)
kobayashii Okamoto, Yoshida, Sato & Shogaki, 1958	Japan (Honshu)
kurganense (Rubtsov, 1956)	Kyrgyzstan
laoleense Takaoka & Choochote, 2005	Thailand
lepnevae (Rubtsov, 1956)	Tajikistan
lingzhiense Deng, Zhang & Chen, 1995	China (Tibet)
<i>lingziense</i> : alternative original spelling (here treated as incorrect)	
<i>lingziense</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i>)	
litshkense (Rubtsov, 1956)	Armenia
longifilium (Rubtsov, 1976)	Kazakhstan

<i>lonqifiliatum</i> : incorrect original spelling (alternative)	
merga Takaoka & Choochote, 2005	Thailand
‘G’ Kuvangkadilok, Boonkemtong & Phayuhasena, 1998 (<i>Simulium</i> sp.)	
montium Rubtsov, 1947	Tajikistan; Kyrgyzstan, Pakistan, Russia (Caucasus)
moxiense Chen, Huang & Zhang, 2005	China (Sichuan)
nemorivagum Datta, 1973	India (West Bengal); Bhutan, China (Tibet), Pakistan
<i>nemoriuagum</i> : incorrect subsequent spelling	
obichingoum (Chubareva, 2000)	Tajikistan
ocreastylum (Rubtsov, 1956)	Tajikistan; Armenia
<i>ocreastilum</i> : incorrect subsequent spelling	
octofiliatum (Rubtsov, 1956)	Tajikistan; Kazakhstan
<i>batifile</i> (Rubtsov & Shakirzyanova, 1976) [Kazakhstan]	
<i>breviatum</i> (Rubtsov & Shakirzyanova, 1976) [Kazakhstan]	
odontostylum Rubtsov, 1947	Tajikistan
<i>odonthostylum, odontostilum, odontostylium</i> : incorrect subsequent spellings	
onum (Bodrova, 1988) [<i>in</i> Bodrova & Luk'yanchuk]*	Japan (Hokkaido)
[<i>sakhalinum</i> : Ono, 1977, not Rubtsov]	
peskovi (Ismagulov & Koshkimbaev, 1996)	Kazakhstan
quattuordecimfiliatum (Rubtsov, 1976)	Kazakhstan; Tajikistan
<i>quattuordesimfiliatum</i> : incorrect subsequent spelling	
quattuordecimfilum Rubtsov, 1947 (as <i>14-filum</i>)	Tajikistan; Uzbekistann
<i>vallesense</i> (Rubtsov, 1962) (ssp.) [Tajikistan]	
<i>14-filatum</i> : incorrect original spelling (alternative)	
<i>quattuordecimfilium, quatuordecimfilum</i> : incorrect subsequent spellings	
sakhalinum (Rubtsov, 1962)	Siberia (Sakhalin FE). [‘Japan’ error]
saradzhoense (Rubtsov, 1956)	Tajikistan
<i>saadzhoense</i> : incorrect subsequent spelling	
schevyakovi Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Baikal ES, FE, WS); Kazakhstan, Mongolia
<i>comosum</i> (Rubtsov, 1956) [Siberia (Buryatskaya)]	
<i>chevyakovi, schevyakvi, sheviakovi, shevjacovi, shevjakovi,</i> <i>shevjakowi, shevyakovi</i> : incorrect subsequent spellings	
shadini (Rubtsov, 1956)	Tajikistan
sheveligiense (Rubtsov & Violovich, 1965)	Siberia (Tuva WS)
schizolomum Deng, Zhang & Chen, 1995	China (Tibet)
<i>schizolomum</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i>)	
<i>schinolomum</i> : incorrect subsequent spelling	
sonkulense (Yankovsky, 2000)	Kyrgyzstan
stackelbergi (Rubtsov, 1956)	Tajikistan
surachaii Takaoka & Choochote, 2005	Thailand
sytshevskiae (Rubtsov, 1967)	Tajikistan
taishanense Sun & Li, 2000	China (Shandong)
taktsangense Takaoka & Somboon, 2008	Bhutan
<i>tanae</i> (Xue, 1993) (secondary homonym of <i>tanae</i> Xue, 1992, but no available subst. name)	China (Yunnan)
tatianae (Bodrova, 1981)	Siberia (Maritime FE)
tibetense Deng, Xue, Zhang & Chen, 1994	China (Tibet)
vantshum (Chubareva, 2000)	Tajikistan
violovitshi (Rubtsov, 1962)	Siberia (Sakhalin FE)
weisiense Deng, Xue & Chen, 2005	China (Yunnan)
yuntaiense Chen, Wen & Wei, 2006 [<i>in</i> Wen, Wei & Chen]	China (Henan)
‘C’ Datta, Dey & Paul, 1975 (<i>Simulium</i> sp.)	India (WB)
‘Kalam’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan
‘2’ Saito, Uemoto & Afzal, 1989 (<i>Simulium</i> sp.)	Pakistan

Subgenus MOROPS Enderlein

MOROPS Enderlein, 1930 (as genus)*. Type species: *wilhelmlandae*, as *pygmaeum* (original designation)
PSELAPHOCHIR Enderlein, 1936 (as genus). Type species: *oculatum* (original designation)

CLATHRINUM species-group

aropaense Takaoka, 1995	New Guinea (Bougainville)
avilae Smart & Clifford, 1965	New Guinea (PNG mainland)
biakense Takaoka, 2003	Indonesia (Irian Jaya)
clathrinum Mackerras & Mackerras, 1948	Australia (Queensland, NSW)
gagiduense Smart & Clifford, 1965	New Guinea (PNG mainland)
hagai Takaoka, 2003	Indonesia (Maluku)
halmaheraense Takaoka, 2003	Indonesia (Maluku)
kawagishii Takaoka & Suzuki, 1995	Solomon Islands (Guadalcanal)
kietaense Takaoka, 1995	New Guinea (Bougainville)
lalokiense Smart & Clifford, 1965	New Guinea (PNG mainland)
malukuense Takaoka, 2003	Indonesia (Maluku)
manokwariense Takaoka, 2003	Indonesia (Irian Jaya)
manuselaense Takaoka, 2003	Indonesia (Maluku)
pohaense Takaoka & Suzuki, 1995	Solomon Islands (Guadalcanal, New Georgia Islands)
ransikiense Takaoka, 2003	Indonesia (Irian Jaya)
raunsimnae Smart & Clifford, 1965	New Guinea (PNG mainland, New Britain)
selwynense Takaoka & Suzuki, 1995	Solomon Islands (Guadalcanal, New Georgia Islands)
solomonense Takaoka & Suzuki, 1995	Solomon Islands (New Georgia Island)
sorongense Takaoka, 2003	Indonesia (Irian Jaya)
tefulaense Takaoka, 2003	Indonesia (Maluku)
watetoense Takaoka, 2003	Indonesia (Maluku)
wilhelmlandae Smart, 1944 (subst. name)	New Guinea (PNG mainland)
<i>pygmaeum</i> (Enderlein, 1922) (preocc.)	

FAHEYI species-group

dycei Colbo, 1976	Australia (Queensland, NT)
faheyi Taylor, 1927	Australia (Queensland, NT)
lawnhillense Colbo, 1976	Australia (Queensland, NT)
mackerrasorum Colbo, 1976	Australia (Queensland, NT, WA)
‘B’ Mackerras & Mackerras, 1949 (<i>Simulium</i> sp.)	
nicholsoni Mackerras & Mackerras, 1948	Australia (Queensland, NSW, Vic)
torresianum Mackerras & Mackerras, 1955	Australia (Queensland: Badu Island)

FARCIMINIS species-group

arfakense Takaoka, 2003	Indonesia (Irian Jaya)
botulus Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
cervus Smart & Clifford, 1965	New Guinea (PNG mainland)
clavum Smart & Clifford, 1965	New Guinea (PNG mainland)
evelynae Smart & Clifford, 1965	New Guinea (PNG mainland)
farciminis Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
fimbriatum Smart & Clifford, 1965	New Guinea (PNG mainland)
jayapuraense Takaoka, 2003	Indonesia (Irian Jaya)
pamahaense Takaoka, 2003	Indonesia (Irian Jaya)
rounae Smart & Clifford, 1965	New Guinea (PNG mainland)
wantootense Smart & Clifford, 1965	New Guinea (PNG mainland)

MELATUM species-group

aureonigrum Mackerras & Mackerras, 1950	Australia (Queensland)
inornatum Mackerras & Mackerras, 1950	Australia (Queensland, NSW, Vic)

inuitkiense Smart & Clifford, 1965	New Guinea (New Britain)
irayense Takaoka, 2003	Indonesia (Irian Jaya)
kainantuense Smart & Clifford, 1965	New Guinea (PNG mainland)
melatum Wharton, 1949 [1948]	Australia (New South Wales, Qld, Vic)
nudipes Takaoka, 2003	Indonesia (Irian Jaya)
saihoense Smart & Clifford, 1965	New Guinea (PNG mainland)
standfasti Colbo, 1976	Australia (Queensland)
wamena Smart & Clifford, 1965	Indonesia (Irian Jaya)

OCULATUM species-group

anggiense Takaoka, 2003	Indonesia (Irian Jaya)
baliemense Takaoka, 2003	Indonesia (Irian Jaya)
cristatum Smart & Clifford, 1965	New Guinea (PNG mainland)
demutaense Takaoka, 2003	Indonesia (Irian Jaya)
gorokae Smart & Clifford, 1965	New Guinea (PNG mainland)
irianense Takaoka, 2003	Indonesia (Irian Jaya)
mendiense Smart & Clifford, 1965	New Guinea (PNG mainland)
minji Smart & Clifford, 1965	New Guinea (PNG mainland)
motoyukii Takaoka, 2003	Indonesia (Irian Jaya)
norforense Takaoka, 2003	Indonesia (Irian Jaya)
oculatum (Enderlein, 1936)	New Guinea (PNG mainland)
prafiense Takaoka, 2003	Indonesia (Irian Jaya)
purosae Smart & Clifford, 1965	New Guinea (PNG mainland)
sutebense Takaoka, 2003	Indonesia (Irian Jaya)
takae Takaoka, 2003	Indonesia (Irian Jaya)
wakrisense Takaoka, 2003	Indonesia (Irian Jaya)

PAPUENSE species-group

papuense Wharton, 1948	New Guinea (PNG mainland); Indonesia (Irian Jaya, Maluku), Solomon Islands (Guadalcanal)
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Morops species unplaced to group

brandti Smart & Clifford, 1965	New Guinea (PNG mainland)
josephi Smart & Clifford, 1965	New Guinea (PNG mainland)
kaiti Smart & Clifford, 1965	New Guinea (New Ireland)
kokodae Smart & Clifford, 1965	New Guinea (PNG mainland)
longirostre Smart & Clifford, 1972 (subst. name)	New Guinea (PNG mainland)
<i>rostratum</i> Smart & Clifford, 1965 (preocc.)	
mafuluense Smart & Clifford, 1965	New Guinea (PNG mainland)
matokoense Smart & Clifford, 1965	New Guinea (PNG mainland)
mussauense Delfinado, 1971	New Guinea (Mussau Island)
tafae Smart & Clifford, 1965	New Guinea (PNG mainland)
'A' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'B' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'C' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)
'D' Smart & Clifford, 1965 (<i>Simulium</i> sp.)	New Guinea (PNG mainland)

Subgenus NEVERMANNIA Enderlein

- NEVERMANNIA** Enderlein, 1921 (as genus). Type species: *ruficorne*, as *annulipes* (original designation)
CNETHA Enderlein, 1921 (as genus). Type species: *vernum* (designation by ICZN Opinion 1416, Gen. List.)
STILBOPLAX Enderlein, 1921 (as genus). Type species: *speculiventre* (original designation)
PSEUDONEVERMANNIA Baranov, 1926 (as subgenus of *Nevermannia*). Type species: *vernum* (designation by ICZN Opinion 1416, Index)
CRYPTECTEMNIA Enderlein, 1936 (as genus). Type species: *orsovae*, as *laticalx* (original designation)

CHELOCNETHA Enderlein, 1936 (as genus). Type species: *ornatipes*, as *biroi* (original designation)
DEXOMYIA Crosskey, 1969 (as subgenus of *Simulium*). Type species: *atlanticum* (original designation)
CRYPFECFEMNIA: incorrect subsequent spelling
NERENNANIA, *NEUERMANNIA*, *NEVERMARNIA*: incorrect subsequent spellings

ATLANTICUM species-group

atlanticum Crosskey, 1969 Saint Helena Island

FEUERBORNII species-group

borneoense Takaoka, 2001 Malaysia (Sabah)
bryopodium Delfinado, 1971 Philippines (Palawan)
chairuddini Takaoka, 2003 Indonesia (Sulawesi)
chiangklangense Takaoka & Choochote, 2005 Thailand
chitoense Takaoka, 1979 Taiwan; China (Hainan)
fangense Takaoka & Choochote, 2006 Thailand
feuerborni Edwards, 1934 Indonesia (Java, Bali, Sumatra); Malaysia (Malaya),
 ‘B’ Takaoka & Suzuki, 1984 (*Simulium* sp.) Thailand
 ‘nr. *feuerborni* 1’ Thanwisai, Kuvangkadilok & Baimai, 2006
 (*Simulium* sp.) (molecular form)
 ‘nr. *feuerborni* 2’ Thanwisai, Kuvangkadilok & Baimai, 2006
 (*Simulium* sp.) (molecular form)
fruticosum Takaoka & Saito, 2005 Thailand
fuscinervis Edwards, 1933 Malaysia (Sabah)
izuense Takaoka & Saito, 2005 Japan (Honshu)
leigongshanense Chen & Zhang, 1997 China (Guizhou)
 laigongshanense: incorrect subsequent spelling
mie Ogata & Sasa, 1954 Japan (Honshu, Ky, NI, Sh); China (Fu, Gu, Si, Yu, Zh),
 ‘J-7’ Bentinck, 1955 (*Simulium* sp.) Korea (South)
minahasaense Takaoka, 2003 Indonesia (Sulawesi)
 ‘A’ Takaoka & Roberts, 1988 (*Simulium* sp.)
mongareense Takaoka & Somboon, 2008 Bhutan
morisonoi Takaoka, 1973 Japan (Tokara Islands)
perlucidulum Takaoka, 1983 Philippines (Mindanao)
praetargum Datta, 1973 India (West Bengal); China (Tibet), Nepal
 praetargum: incorrect subsequent spelling
qiongzhouense Chen, Zhang & Yang, 2003 China (Hainan)
rufithorax Brunetti, 1911 India (Maharashtra, Ka, WB)
saitoi Takaoka, 2000 [*in* Takaoka & Saito] Japan (Honshu)
sasai (Rubtsov, 1962) Japan (Honshu, Ky)
 ‘J-14’ Bentinck, 1955 (*Simulium* sp.)
senile Brunetti, 1911 India (Himachal Pradesh)
shandongense Sun & Li, 2000 China (Shandong)
wangxianense Chen, Zhang & Bi, 2004 China (Hunan)
 ‘A’ Takaoka, 1989 (*Simulium* sp.) Burma

LOUTETENSE species-group

loutetense Grenier & Ovazza, 1951 Congo; Angola, Benin, Burkina Faso, Cameroon,
 Central African Republic, Democratic Republic of
 Congo, Equatorial Guinea (Bioko), Ghana, Guinea,
 Ivory Coast, Liberia, Nigeria, Sierra Leone, Sudan,
 Tanzania, Togo, Zambia
 ‘Chemka’ Lewis & Raybould, 1974 (morphoform) Tanzania
 loutetense: incorrect subsequent spelling
milloti Grenier & Doucet, 1949 Madagascar
narcaeum De Meillon, 1950 South Africa (KwaZulu Natal)
 narceum: incorrect subsequent spelling

rutherfordi De Meillon, 1937 South Africa (KwaZulu Natal, EC, FS, L, M, NW, WC);
 ‘II’ Rivosecchi, Merighi & Parrinello, 1969 (*Simulium* sp.)
rutherfordi, *rutherfordi*: incorrect subsequent spellings Democratic Republic of Congo, Lesotho, Swaziland,
 Zimbabwe, Yemen (?)

RUFICORNE species-group

alatum Fain & Dujardin, 1983 Kenya
alidae Pilaka & Elouard, 1997 Madagascar
angustitarse (Lundström, 1911) Finland; Algeria, Austria, Belarus, Bosnia, Britain (En,
melanobrachium (Enderlein, 1924) (ssp.) [Estonia] Wa), China (Yu), Czech Republic, Denmark, Estonia,
mazedonicum (Baranov, 1926) [Macedonia & Serbia] France, Germany, Hungary, Ireland, Italy, Kyrgyzstan,
knochi (Enderlein, 1929) [Germany] Latvia, Lithuania, Luxembourg, Macedonia, Morocco,
flavicorne (Enderlein, 1929) [Austria] Netherlands, Norway, Poland, Portugal, Romania,
equitarse (Rubtsov, 1962) [Kyrgyzstan] Russia (CR, NR, SR), Serbia, Siberia (ES, WS),
dispinum (Rubtsov & Carlsson, 1965) [Sweden] Slovakia, Slovenia, Spain, Sweden, Switzerland,
marrucinum (Rivosecchi, 1966) [Italy] Turkey, Ukraine
celticum Davies, 1966 (preocc.) [Britain (Wales)]
cambriense Davies, 1967 (subst. name)
brevipes (Rubtsov, 1967) (ssp.) [Hungary]
hungaricum (Rubtsov, 1967) (ssp.) [Hungary]
zaporojiae (Pavlichenko, 1986) (ssp.) [Ukraine]
angursitarsis, *angustarse*, *angustitare*, *angustitars*, *angustutarsis*,
engustitarse: incorrect subsequent spellings
knocki: incorrect subsequent spelling
antibrachium Fain & Dujardin, 1983 Kenya; Cameroon
arabicum Crosskey, 1982 [*in* Crosskey & Büttiker] Saudi Arabia (Asir); Ethiopia, Guinea, Kenya, Nigeria,
 ‘I’ Rivosecchi, Merighi & Parrinello, 1969 (*Simulium* sp.) Tanzania, Uganda, Yemen
 ‘A’ Rivosecchi & Merighi, 1970 (*aureosimile* morphoform)
aspericorne Fain, Bafort & Silberstein, 1976 Kenya
aureohirtum Brunetti, 1911 India (Assam, AP, ArP, Ha, HP, Ka, Ma, Me, Mr, Mz,
geniculare (Shiraki, 1935) [Taiwan] TN, WB); Bhutan, China (Fu, Gd, Gu, Hainan, HK,
philippinense Delfinado, 1962 [Philippines (Luzon)] Macao, Si, Tibet, Yu), Indonesia (Flores, Java,
tuaranense Smart & Clifford, 1969 [Malaysia (Sabah)] Kalimantan, Maluku, Sulawesi, Sumatra), Japan
aurechirtum: incorrect subsequent spelling (Hon, Ky, NI, Sh), Malaysia (Malaya, Sabah, Sarawak),
 Nepal, Pakistan, Philippines (Bohol, Luzon, Mindanao,
 Negros, Palawan, Panay), Sri Lanka, Taiwan, Thailand
aureosimile Pomeroy, 1920 Cameroon; Burundi, Equatorial Guinea (Bioko), Ivory
 [nigritarse: authors, not Coquillett] Coast, Kenya, Nigeria, Togo. [Other country records in
 error or dubious]
baforti Fain & Dujardin, 1983 Kenya
borbonense Giudicelli, 2008 Réunion
brachium Gibbins, 1936 Uganda; Congo, Democratic Republic of Congo, Kenya,
 Lesotho, South Africa (EC, NW, WC), Tanzania,
 Ethiopia (?)
brevitarse (Rubtsov, 1976) Azerbaijan; Iran
brunhesi Pilaka & Ranaivoharindriaka, 1996 [*in* Elouard,
 Pilaka & Ranaivoharindriaka] Madagascar
buckleyi De Meillon, 1944 Kenya; Ethiopia, Rwanda
vulcani Fain, 1950 [Rwanda]
buckleyi: incorrect subsequent spelling
bulbiferum Fain & Dujardin, 1983 Rwanda; Democratic Republic of Congo
candelabrum Fain & Dujardin, 1983 Tanzania
chovdica (Yankovsky, 1996) (subst. name) Mongolia
tenuitarsus (Rubtsov, 1969) (preocc.)
crassicaulum (Rubtsov, 1955) Uzbekistan
crassicaulis: incorrect subsequent spelling
delizhanense (Rubtsov, 1955) Armenia; Azerbaijan, Georgia
deliganense, *delizanensis*: incorrect subsequent spellings
duboisii Fain, 1950 Rwanda; Democratic Republic of Congo, Kenya,

ekomei Lewis & Disney, 1972	Tanzania
falcoe (Shiraki, 1935)	Cameroon
<i>falconense</i> : incorrect subsequent spelling	Taiwan. ['Japan' error]
flavinotatum Fain & Dujardin, 1983	Rwanda; Tanzania
flavipes Austen, 1921	Israel/Jordan
<i>jerichoense</i> Smart, 1944 (unnecessary subst. name)	
fuscicorne Fain, 1950	Rwanda
glatthaari Takaoka & Davies, 1995	Indonesia (Sumatra)
ibleum (Rivosecchi, 1966)	Italy (Sicily, mainland); Algeria, Cyprus, Greece (Crete), Lebanon, Libya, Morocco, Tunisia, Spain (?). [? = <i>angustitarse</i>]
indoceanicum Giudicelli, 2008	Réunion
katangae Fain, 1951	Democratic Republic of Congo; Cameroon, South Africa (EC, G, KZN), Tanzania
kugitangi (Yankovsky & Shinkovsky, 1992)	Turkmenistan
longipes (Rubtsov, 1956)	Kazakhstan
loveridgei Crosskey, 1965	Saint Helena Island
lundstromi (Enderlein, 1921 [April]) (available)	Britain (England); Algeria, Austria, Belarus, Belgium, Bulgaria, China (Be), Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lebanon, Lithuania, Morocco, Netherlands, Norway, Poland, Portugal, Russia (CR, NR, SR), Serbia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine
<i>kerteszi</i> (Enderlein, 1922) [Hungary]	
<i>latigonium</i> (Rubtsov, 1956) [Russia (St Petersburg)]	
<i>luttæ</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	
<i>lundstromii</i> : incorrect subsequent spelling	
[<i>angustitarse</i> : authors (pre-1974), not Lundström]	
metecontae Elouard & Pilaka, 1996 [<i>in</i> Elouard, Pilaka & Ranaivoharindriaka]	Madagascar
montshadskii (Rubtsov, 1956)	Tajikistan; Kazakhstan, Uzbekistan
<i>montshadskli</i> : incorrect subsequent spelling	
neornatipes Dumbleton, 1969	New Caledonia
[<i>ornatipes</i> : Mackerras & Mackerras, 1955, not Skuse]	
nigritarse Coquillett, 1901 [1902]	South Africa (Western Cape, EC, FS, G, KZN, L, M, NC, NW); Angola, Cameroon, Democratic Republic of Congo, Guinea, Kenya, Lesotho, Mozambique, Nigeria, Swaziland, Tanzania, Zambia, Zimbabwe, Eritrea (?)
<i>caffraricum</i> (Enderlein, 1935) [South Africa (Western Cape)]	
<i>caffrica</i> : incorrect subsequent spelling	
[<i>latipes</i> : Austen, 1909, not Meigen]	
[<i>aureosimile</i> : authors, not Pomeroy]	
ningxiaum Yang, Wang & Chen, 2008	China (Ningxia Hui)
norfolkense Dumbleton, 1969	Norfolk Island; Australia (NSW, Qld, SA, Vic, WA)
'A1' Bedo, 1979 (<i>ornatipes</i> cytoform [= 'A' Bedo, 1977, part])	
nyanzense Fain & Dujardin, 1983	Kenya
oresti (Vorobets, 1984)	Siberia (Yakutskaya ES)
ornatipes Skuse, 1890 (complex)	Australia (NSW, Qld, SA, Tas, Vic, WA); Indonesia (Irian Jaya), New Guinea (PNG mainland)
<i>biroi</i> (Enderlein, 1936) [Australia (New South Wales)]	
'B' Bedo, 1977 (cytoform)	Australia (NSW, Qld, Vic, WA)
'A2' Bedo, 1979 (cytoform [= 'A' Bedo, 1977, part])	Australia (NSW, Qld, SA, Tas, Vic)
perforatum Fain & Dujardin, 1983	Burundi; Democratic Republic of Congo, Rwanda
philipponi Pilaka & Elouard, 1997	Madagascar
pinhaoi Santos Grácio, 1985	Portugal
politum Crosskey, [1977] [1976]	Saint Helena Island
raybouldi Fain & Dujardin, 1983	Tanzania
rubescens Fain & Dujardin, 1983	Rwanda; Democratic Republic of Congo
ruficorne Macquart, 1838	Réunion; Algeria, Angola, Benin, Burkina Faso, Cameroon, Canary Islands (Fuerteventura, Gomera, Gran Canaria, La Palma, Tenerife), Cape Verde Islands, Central African Republic, Chad, Comoro Islands (Anjouan), Congo, Democratic Republic of Congo, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Guinea- Bissau, Iraq, Israel, Ivory Coast, Jordan, Kenya, Liberia, Libya, Madagascar, Madeira (Porto Santo),
<i>beckeri</i> Roubaud, 1906 [Algeria]	
<i>annulipes</i> Becker, 1908 [Canary Islands (Tenerife)]	
<i>divergens</i> Pomeroy, 1922 [Nigeria]	
<i>diversipes</i> Edwards, 1923 [Mauritius (Rodrigues Island)]	
? 'M4' Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	

	Malawi, Mali, Malta, Mauritius (incl. Rodrigues Island), Morocco, Mozambique, Namibia, Niger, Nigeria, Oman, Portugal, Saudi Arabia, Senegal, Sierra Leone, Somalia, South Africa (EC, FS, G, KZN, L, M, NC, WC), Spain, Sudan, Syria, Tanzania, Togo, Tunisia, Uganda, Yemen (incl. Socotra), Zambia, Zimbabwe. [‘Java’ error]
‘Bouaké’ Bedo, 1989 (cytoform)	Ivory Coast
‘Santiago’ Bedo, 1989 (cytoform)	Cape Verde Islands (Santiago)
‘Tenerife’ Bedo, 1989 (cytoform)	Canary Islands (Tenerife)
<i>rufecorne</i> : incorrect subsequent spelling	
[<i>nigritarsis</i> : De Meillon, 1930, not Coquillett]	
sacculiferum Fain & Dujardin, 1983	Rwanda; Burundi
simplex Gibbins, 1936	Uganda; Democratic Republic of Congo, Kenya, South Africa (?), Zimbabwe (?)
<i>elgonicum</i> Séguy, 1938 [Kenya]	
sirimonense Fain & Dujardin, 1983	Kenya; Uganda
speculiventre Enderlein, 1914	Seychelles (Mahé, Praslin, Silhouette)
starmuhlneri Grenier & Grjebine, 1964 [1963]	Madagascar (incl. Nosy Bé Island)
‘M3’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
subgriseum Rubtsov, 1940	Afghanistan [neotype]; China (Be, Li), Kazakhstan, Mongolia, Tajikistan, Turkmenistan
tolongoinae Grenier & Brunhes, 1972	Madagascar
? ‘M5’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
triplex Giudicelli, 2008	Réunion
vitile (Rubtsov, 1955)	Armenia; Azerbaijan, Georgia, Uzbekistan
volhynicum (Usova & Sukhomlin, 1990)	Ukraine
<i>volhnica</i> : incorrect original spelling (figure 2 legend)	
<i>volinica</i> : incorrect subsequent spelling	
‘B’ Rivosecchi & Merighi, 1970 (<i>aureosimile</i> morphoform)	Yemen

VERNUM species-group

aberrans Delfinado, 1969	Philippines (Luzon)
acmeria (Ono, 1978)	Japan (Hokkaido)
<i>acmerium</i> : incorrect subsequent spelling	
aestivum Davies, Peterson & Wood, 1962 [1961]	Canada (Ontario, Lab, PEI, Que); USA (NH)
‘Labrador’ Brockhouse, 1984 (thesis) (<i>vernium</i> cytoform)	
akopi (Chubareva & Kachvoryan, 2000)	Armenia
<i>acopi</i> : incorrect subsequent spelling	
ammosovi (Vorobets, 1987)	Siberia (Yakutskaya ES)
amurensis (Rubtsov, 1956)	Siberia (Amurskaya FE, Sakhalin FE)
angustatum (Rubtsov, 1956)	Ukraine (Crimea); China (Li), Czech Republic, Poland, Romania, Serbia, Slovakia
<i>angustratum, anustatum</i> : incorrect subsequent spellings	
angusticorne (Rubtsov, 1956)	Siberia (Maritime FE)
armoricanum Doby & David, 1961	France; Britain (En, Sc, Wa), Ireland, Portugal, Spain. [? = <i>florae</i>]
<i>amroricanum</i> : incorrect subsequent spelling	
artum Sato, Takaoka & Saito, 2005	Japan (Honshu, Hok)
‘1’ Orii, Uemoto & Onishi, 1969 (<i>Eusimulium</i> sp.)	
‘Y’ Saito & Kanayama, 1988 / Saito <i>et al.</i> , 1995 (<i>Simulium</i> sp.)	
australe (Rubtsov, 1955)	Armenia; Azerbaijan
babai Takaoka & Aoki, 2007	Japan (Hokkaido)
beltukovae (Rubtsov, 1956)	Russia (Permskaya CR, NR); Finland, Norway, Siberia (WS)
<i>beltjukovae, beltucovae</i> : incorrect subsequent spellings	
bertrandi Grenier & Dorier, 1959	France (incl. Corsica); Austria, Bosnia, Bulgaria, Czech Republic, Germany, Italy, Montenegro, Poland, Russia (CR, SR), Slovakia, Spain, Switzerland, Ukraine
? <i>angustifrons</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
? <i>angustifrons</i> (Enderlein, 1921 [June, <i>aug-</i> misprint]) [France]	
‘IV’ Grenier, 1953 (<i>Simulium</i> sp.)	
bicorne Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Irkutskaya ES, FE, WS); Canada (NWT, Yukon), China (He, IM, Jilin), Finland, Latvia,
<i>paracorniferum</i> (Yankovsky, 1979) [Siberia (Khabarovsk)]	

<i>corniferum</i> (Yankovsky, 1979) [Russia (Murmansk)]	Mongolia, Norway, Poland, Russia (KM, NR), Sweden, USA (Alaska), Pakistan (?)
? '1' Jenkins, 1948 (<i>Eusimulium</i> sp.)	
? 'Alaska #23' Brockhouse, 1984 (thesis) (<i>vernum</i> cytoform)	
boldstemta (Ono, 1978)	Japan (Hokkaido)
<i>boldstemtum</i> : incorrect subsequent spelling	
bonninense (Shiraki, 1935)	Japan (Bonin Islands = Ogasawara Islands)
brevidens (Rubtsov, 1956)	Ukraine (Crimea); Andorra, Austria, Bosnia, Czech Republic, France, Germany, Italy, Montenegro, Poland, Serbia, Slovakia, Spain, Algeria (?)
<i>brewidens</i> : incorrect subsequent spelling	
[<i>angustatum</i> : Rubtsov, 1961]	
bumthangense Takaoka & Somboon, 2008	Bhutan
burgeri Adler, Currie & Wood, 2004	Canada (New Brunswick, Man, Ont, Sask); USA (NH)
'near <i>fionae</i> ' Adler & Mason, 1997 / Currie, 1997 (<i>Simulium</i> sp.)	
burmense Takaoka, 1989	Burma
cangshanense (Xue, 1993)	China (Yunnan)
carbunculum Adler, Currie & Wood, 2004	USA (California, Ari, Col, Idaho, Nev, NM, Utah, Wyo); Canada (BC, Sask), Mexico (Du)
<i>attenuatum</i> Peterson, 1958 (thesis) (unav., <i>nomen nudum</i>)	
'A' Peterson, 1960 (<i>Simulium</i> sp.)	
'Cypress' Dunbar, 1962 (thesis) (<i>pugetense</i> cytoform)	
'Cypress Hills' Hunter & Connolly, 1986 (<i>pugetense</i> cytoform)	
'near Cypress Hills' McCreadie <i>et al.</i> , 1997 (<i>pugetense</i> cytoform)	
[<i>pugetense</i> : authors (Mexico, Saskatchewan), not Dyar & Shannon]	
carpathicum (Knoz, 1961)	Czech Republic; Andorra, Austria, Finland, France, Germany, Italy, Poland, Serbia, Slovakia, Slovenia, Sweden, Ukraine
<i>carphaticum</i> : incorrect original spelling	
<i>carpacticum</i> , <i>carpaticum</i> : incorrect subsequent spellings	
carthusiense Grenier & Dorier, 1959	France (incl. Corsica); Andorra, Austria, Czech Republic, Germany, Italy, Poland, Slovakia, Spain, Switzerland, Ukraine
'I' Grenier, 1949 (<i>Simulium</i> sp., attrib. Dorier & Freychet, 1945)	
<i>carthunsiense</i> , <i>carthusiense</i> : incorrect subsequent spellings	
caudisclerum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
'A' Takaoka & Suzuki, 1984 (<i>Simulium</i> sp.)	
chejuense Takaoka, 1974	Korea (Cheju Islands)
cheni (Xue, 1993)	China (Yunnan)
chenzhouense Chen, Zhang & Bi, 2004	China (Hunan)
cherraense Sun, 1994	China (Liaoning)
chodakovi (Panchenko, 1998)	Ukraine (Crimea)
chomustachi (Vorobets, 1977)	Siberia (Yakutskaya ES)
chubarevae (Kachvoryan & Terteryan, 1981)	Armenia
codreanui (Sherban, 1958)	Romania; Austria, Bosnia, Bulgaria, Czech Republic, Poland, Serbia, Slovakia, Ukraine
? <i>laticalx</i> (Enderlein, 1936) (preocc.) [Romania]	
? <i>orsovae</i> Smart, 1944 (subst. name, for <i>laticalx</i>)	
conicum Adler, Currie & Wood, 2004	USA (California, Idaho, Ore, Was); Canada (BC)
[<i>pugetense</i> : Courtney, 1986, not Dyar & Shannon]	
costatum Friederichs, 1920	Germany; Algeria, Austria, Bosnia, Britain (En, Sc), Bulgaria, Czech Republic, Denmark, France, Hungary, Italy, Latvia, Luxembourg, Morocco, Netherlands, Norway, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine. ['Argentina' error, Edwards, 1931]
<i>incornutum</i> (Enderlein, 1929) [Germany]	
<i>barbativentre</i> (Enderlein, 1929) [Germany]	
<i>costalum</i> , <i>coststum</i> : incorrect subsequent spelling	
craigi Adler & Currie, 1986	Canada (Alberta, BC, Man, NB, Nfld, Nun, NWT, Ont, PEI, Que, Sask); USA (Alaska, Ari, Cal, Col, Maine, Mic, NH, NM, NY, Pen, Utah, Wyo)
'A' Rothfels & Brockhouse, 1983 [<i>in</i> Okaeme, thesis] (<i>vernum</i> cytoform)	
'Gothic' Brockhouse, 1985 (<i>vernum</i> cytoform)	USA (Col)
? 'Type 4' Brockhouse, 1989 [<i>in</i> Brockhouse, Bass, Feraday & Strauss] (cytoform) [uncharacterized]	'North America' [no locality]
'X' Hunter, 1987 (thesis) (<i>vernum</i> cytoform)	
'AF' Hunter, 2002 (cytoform)	Canada (Man, Ont, Sask)
'Cypress Hills' Brockhouse, 1985 (<i>vernum</i> cytoform)	
'Nipigon' Brockhouse, 1985 (<i>vernum</i> cytoform)	
'ACF/BCF' Hunter, 2002 (cytoform)	USA (NH)
'CC' Hunter, 2002 (cytoform)	USA (Pen)

[see Adler *et al.*, 2004 for misidentifications]

crenobium (Knoz, 1961)	Czech Republic; Austria, Bosnia, Germany, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia, Switzerland, Ukraine. ['Italy' error]
croxtoni Nicholson & Mickel, 1950	USA (Minnesota, Maine, Mas, Mic, NH, NJ, Pen, Wis, Wyo); Canada (Alb, BC, Lab, Man, NB, Nfld, NWT, Ont, PEI, Sask, Yukon)
cryophilum (Rubtsov, 1959) (complex)*	Russia (St Petersburg CR, NR, SR); Algeria, Andorra, Armenia, Austria, Balearic Islands (Majorca), Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, Cyprus, Czech Republic, Denmark, Finland, France (incl. Corsica), Germany, Greece (incl. Chios, Crete, Naxos, Lésbos), Ireland, Italy (incl. Sardinia, Sicily), Latvia, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Scotland, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine
<i>brevicaulis</i> Dorier & Grenier, 1961 (unav., form post-1960)	
<i>biancoi</i> (Rubtsov, 1964) [Italy]	
<i>couverti</i> (Rubtsov, 1964) [Italy]	
<i>vidanoi</i> (Rubtsov, 1964) [Italy]	
<i>brevicaule</i> Davies (L.), 1966 (availability conferred) [France]	
'1' Kunze, 1953 (<i>Simulium</i> species)	
'2' Kunze, 1953 (<i>Simulium</i> species)	
'A' Hunter, 1987 (cytoform)	Denmark, Germany, Sweden
'B2' Hunter, 1987 (cytoform)	Germany, Sweden
<i>cryophylum</i> : incorrect subsequent spelling	
[<i>latipes</i> : Kachvoryan & Chubareva, 1974, not Meigen]	
curvans (Rubtsov & Carlsson, 1965)	Siberia (Irkutskaya ES, FE, WS); Finland, Latvia, Mongolia, Norway, Romania, Russia (CR, KM), Sweden
[<i>pungens</i> : Rubtsov, 1956, not Meigen]	
dendrofilum (Patrusheva, 1962)	Siberia (Tomskaya WS, ES, FE); Belarus, Canada (Nun), Finland, Sweden, USA (Alaska)
'near <i>croxtoni</i> ' Smith, 1970 (thesis) (<i>Simulium</i> sp.)	
<i>dendrofilium</i> : incorrect subsequent spelling	
dentatura (Vorobets, 1987)	Siberia (Yakutskaya ES)
djafarovi (Rubtsov, 1962) (subst. name)	Azerbaijan; Armenia, Romania, Turkey
<i>subcostatum</i> (Djafarov, 1953) (preocc.)	
dolomitense (Rivosecchi, 1971)	Italy
dunfellense Davies, 1966	Britain (England, Sc); Belgium, Ireland
elatum (Rubtsov, 1955)	Azerbaijan; Russia (Caucasus)
elburnum (Rubtsov & Carlsson, 1965)	Russia (Permskaya CR); Mongolia, Siberia (ES, WS)
[<i>minutissimum</i> : Rubtsov, 1956, not Zetterstedt]	
erectum (Rubtsov, 1959)	Russia (Permskaya CR); Siberia (ES, WS)
fionae Adler, 1990	USA (New Hampshire, Mic, NJ, Pen); Canada (Lab, NB, NWT, Ont, Sask)
'A-type' Brockhouse, 1984 (thesis) (<i>vernum</i> cytoform)	
'Eastmain' Brockhouse, 1985 (<i>vernum</i> cytoform)	
'near <i>furculatum/croxtoni</i> Adler & Kim, 1986 (<i>Simulium</i> sp.)	
'near <i>croxtoni-furculatum</i> ' Hunter, 1987 (thesis) (<i>Simulium</i> sp.)	
[<i>furculatum</i> : Adler, 1983 (thesis), not Shewell]	
florae (Djafarov, 1954)	Azerbaijan; Romania, Turkey
fluviatile Radzivilovskaya, 1948	Siberia (Maritime FE); China (Si), Romania (?)
fontinale Radzivilovskaya, 1948	Siberia (Maritime FE incl. Sakhalin); Canada (Alb, BC, NWT, Yukon), Finland, Japan (Hon), Mongolia, USA (Alaska)
<i>decolletum</i> Adler & Currie, 1986 [Canada (Alberta)]	
'X' Choate, 1984 (thesis) (<i>Eusimulium</i> sp.)	
'Yukon #9' Brockhouse, 1984 (thesis) (<i>vernum</i> cytoform)	
'Yukon' Brockhouse, 1985 (<i>vernum</i> cytoform)	
[<i>longipile</i> : Rubtsov, 1956 (Lake Baikal form), not Radzivilovskaya]	
[<i>pugetense</i> (part): Palearctic authors, not Dyar & Shannon]	
[<i>tschukotensis</i> : Rubtsov, 1971 (male paratype)]	
fontium (Rubtsov, 1955)	Russia (Caucasus); Armenia, Azerbaijan, Georgia, Ukraine. [? = <i>costatum</i>]
fucense (Rivosecchi, 1962)	Italy
garniense (Rubtsov, 1955)	Armenia
gejgelense (Djafarov, 1954)	Azerbaijan; China (Si)
<i>geigelense</i> : incorrect subsequent spelling	

gomphocorne (Rubtsov, 1964)	Russia (Caucasus)
gouldingi Stone, 1952	USA (Pennsylvania, Ark, Del, Ken, Maine, Mas, Mic, NC, NH, NJ, NY, Vir, Wis, WV); Canada (Nfld, Ont, Que)
‘1’ DeFoliart, 1951 (thesis) (<i>Simulium</i> sp.)	
‘Sp. 27’ Jamnback, 1951 (thesis)	
gracile Datta, 1973	India (West Bengal); China (Tibet)
henanense Wen, Wei & Chen, 2007 [December]	China (Henan)
<i>henanense</i> Wen, Wei & Chen, 2007 [August] (unav. under Code Article 16.4.1; no type)	
ibarakiense Takaoka & Saito, 2007	Japan (Honshu)
ichnusae Rivosecchi & Contini, 1994 (subst. name)	Italy (Sardinia)
<i>rivosecchii</i> (Contini, 1965) (preocc.)	
<i>rivosecchi</i> : incorrect subsequent spelling	
impar Davies, Peterson & Wood, 1962 [1961]	Canada (Ontario, Que); USA (Ark, Geo, Ken, Maine, NC, NJ, Ohio, Pen, SC, Ten, Vir, WV)
itelmenica (Chubareva & Yankovsky, 2006)	Siberia (Kamchatka FE)
jilinense Chen & Cao, 1983	China (Jilin, Li)
juxtacrenobium Bass & Brockhouse, 1990	Britain (England); Finland, Ireland, Sweden, Netherlands (?)
<i>juxtacrenobium</i> Brockhouse, Bass, Feraday & Straus, 1989 unav., ICZN Opinion 1683)	
karajimae (Panchenko, 2003)	Ukraine (Crimea)
karzhantavicum (Rubtsov, 1956)	Kazakhstan; Turkmenistan, Uzbekistan (?)
<i>karzhantacum</i> : incorrect subsequent spelling	
keiseri (Rubtsov, 1955)	Kyrgyzstan; Azerbaijan (Nakhichevan), Kazakhstan, Siberia (ES, WS), Uzbekistan
koshikiense Takaoka, 1976	Japan (Nansei Islands)
kugartsuense (Rubtsov, 1956)	Kyrgyzstan
kurtaki Takaoka & Davies, 1995	Malaysia (Malaya)
kuznetzovi Rubtsov, 1940	Russia (Murmansk KM)
<i>kusnetzovi</i> : incorrect subsequent spelling	
larvipilosum Okazawa, 1984	Japan (Hokkaido)
latifile (Rubtsov, 1956)	Siberia (Maritime FE); China (Li)
<i>litifile</i> : incorrect subsequent spelling	
[<i>longipile</i> : Radzivilovskaya, 1948 (part)]	
lidiae (Semushin & Usova, 1983)	Ukraine
lilotense (Rubtsov, 1971)	Siberia (Irkutskaya ES)
loerchae Adler, 1987	USA (South Carolina, Ala, Ark, Flo, Geo, Misp, NC, Pen, Ten)
‘1’ Pinkovsky, 1976 (thesis) / Pinkovsky & Butler, 1978 (<i>Simulium</i> sp.)	
‘new species’ Hunter, 1987 (thesis) (<i>Simulium</i>)	
longipile Radzivilovskaya, 1948*	Siberia (Maritime FE incl. Kamchatka, Irkutskaya ES); China (He)
[<i>pugetense</i> (part): Palearctic authors, not Dyar & Shannon]	
longtanstum Ren, An & Kang, 1998	China (Shandong)
ludingense Chen, Zhang & Huang, 2005	China (Sichuan)
luppovae (Rubtsov, 1956)	Tajikistan; Siberia (ES, FE, WS)
<i>lippovae</i> : incorrect subsequent spelling	
marsicanum (Rivosecchi, 1962)	Italy (incl. Sicily)
meigeni (Rubtsov & Carlsson, 1965)	Russia (Murmansk KM); China (Li), Mongolia, Siberia (?). [‘Britain’ error]
[<i>pygmaeum</i> : Rubtsov, 1956 (part), not Zetterstedt]	
merritti Adler, Currie & Wood, 2004	USA (Utah)
minuticorpus (Yankovsky, 1996) (subst. name)	Russia (St Petersburg CR, SR); Italy (?), Sweden (?)
<i>minutum</i> (Rubtsov, 1959) (preocc.)	
modicum Adler, Currie & Wood, 2004	Canada (Ontario, Alb, BC, Que, Yukon); USA (California, Alaska, Idaho, Mic, Mon, Was, Wyo)
‘IL-st’ Choate, 1984 (thesis) (<i>pugetense</i> cytoform)	
‘A’ Hunter & Connolly, 1986 (<i>pugetense</i> cytoform)	
[<i>pugetense</i> : authors (Michigan, Ontario), not Dyar & Shannon]	
moultoni Adler, Currie & Wood, 2004	USA (New Hampshire); Canada (PEI, Que incl. Magdalen Islands)
‘C’ Hunter & Connolly, 1986 (<i>pugetense</i> cytoform)	
multidentatum (Bodrova, 1988) [<i>in</i> Bodrova & Luk’yanchuk]	Siberia (Sakhalin FE)
murvanidzei (Rubtsov, 1955)	Georgia; Armenia

naturale Davies, 1966	Britain (England, Sc, Wa); Denmark, Germany, Ireland, Lithuania, Spain, Norway (?)
‘Dorset IIS-2+3’ Brockhouse, 1985 (<i>vernum</i> cytoform)	Britain (En)
‘Denmark’ Brockhouse, 1991 (thesis) (cytoform)	Denmark
novigracile Deng, Zhang, Xue & Chen, 1996	China (Tibet)
oligotuberculatum (Knoz, 1965)	Slovakia; Andorra, Czech Republic, France, Germany, Italy, Poland
<i>oligotubercolatum</i> : incorrect subsequent spelling	
<i>onoi</i> Sato & Takaoka, 2004 [<i>in</i> Sato, Takaoka & Fukuda]	Japan (Hokkaido)
(unav. primary homonym and invalid under <i>Code</i> Article 16.4.1; no type)	
[<i>konoi</i> : Ono, 1975, 1979, not Takahasi]	
pathrushevae (Boldarueva, 1979)	Siberia (Buryatskaya ES)
<i>patrushevae</i> : incorrect subsequent spelling	
planipuparium Rubtsov, 1947	Tajikistan; Kazakhstan, Pakistan
pugetense (Dyar & Shannon, 1927)	USA (Washington, Alaska, Cal, Ore); Canada (BC incl. Queen Charlotte Islands). [‘China’, ‘Mexico’, ‘Mongolia’, ‘Russia’, ‘Siberia’ errors]
‘IL-1’ Choate, 1984 (thesis) (cytoform)	
‘B’ Hunter & Connolly, 1986 (cytoform)	Canada (BC), USA (Alaska)
‘D’ Hunter & Connolly, 1986 (cytoform)	Canada (BC incl. Queen Charlotte Islands), USA (Cal, Ore, Was)
‘E’ Hunter & Connolly, 1986 (cytoform)	Canada (BC incl. Queen Charlotte Islands)
<i>prugetense</i> : incorrect subsequent spelling	
purii Datta, 1973	India (West Bengal); China (Tibet)
qiaolaoense Chen, 2001	China (Guizhou)
<i>giaolaoense</i> , <i>qiaoluense</i> : incorrect subsequent spellings	
qingshuiense Chen, 2001	China (Guizhou)
quasidecolletum Crosskey, [1988] [1987] (subst. name)	France; Austria, Germany, Italy, Spain, Switzerland
<i>truncatum</i> Dorier & Grenier, 1961 (unav., form post-1960)	
<i>truncatum</i> (Rivosecchi & Cardinali, 1975) (preocc.)	
quebecense Twinn, 1936	Canada (Quebec, NS, Ont); USA (Geo, Mic, NC, NH, NJ, NY, Pen, SC, Vir, WV)
<i>quebecences</i> : incorrect subsequent spelling	
[see Adler <i>et al.</i> , 2004 for misidentifications]	
raohense Cai & An, 2006	China (Heilongjiang)
rebunense (Ono, 1979)	Japan (Hokkaido: Rebun Island)
saliceti (Rubtsov, 1971)	Siberia (Magadanskaya FE)
satakei Takaoka & Saito, 2006	Japan (Bonin Islands = Ogasawara Islands)
silvestre (Rubtsov, 1956)	Siberia (Irkutskaya ES); Canada (Alb, BC, Lab, Man, NB, Nfld, Nun, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask, Yukon), China (Si, Yu), Finland, Mongolia, Norway, Russia (KM), Siberia (WS), Sweden, Ukraine, USA (Alaska, Cal, Col, Idaho, Maine, Mic, NH, NJ, NY, Ore, Pen, Was, Wyo)
<i>caledonense</i> Adler & Currie, 1986 [Canada (Alberta)]	
‘St. Rose’ Landau, 1962 [<i>in</i> Dunbar, thesis] (<i>latipes</i> [= <i>vernum</i>] cytoform)	
‘B’ Rothfels & Brockhouse, 1983 [<i>in</i> Okaeme, thesis] (<i>vernum</i> cytoform)	
‘Caledon’ Brockhouse, 1985 (<i>vernum</i> cytoform)	
<i>sivestre</i> , <i>sylvestre</i> : incorrect subsequent spellings	
[<i>vernum</i> ‘Knebworth’: Brockhouse, 1985 / Allison & Shields, 1989 (part, Alaska)]	
[see Adler <i>et al.</i> , 2004 for additional misidentifications]	
strelkovi (Rubtsov, 1956)	Siberia (Sakhalin FE)
subcostatum (Takahasi, 1950)	Japan (Hokkaido incl. Rishiri Island, Hon, Ky, Sh); China (Li), Siberia (FE incl. Kurile Islands and Sakhalin)
taulingense Takaoka, 1979	Taiwan
tauricum (Rubtsov, 1956)	Ukraine (Crimea)
<i>tahuricum</i> : incorrect subsequent spelling	
thrimshinglaense Takaoka & Somboon, 2008	Bhutan
timondavidi Giudicelli, 1961 [1960]	France (Corsica)
tjibodense Edwards, 1934	Indonesia (Java)
<i>tibodense</i> : incorrect subsequent spelling	
tosariense Edwards, 1934	Indonesia (Java)
toubkal Bouzidi & Giudicelli, 1986	Morocco

tricrenum (Rubtsov & Carlsson, 1965)	Sweden; Poland
uchidai (Takahasi, 1950)	Japan (Hokkaido incl. Rebun and Rishiri Islands, Hon, Ky, NI, Sh); China (Li), Korea (South), Siberia (FE incl. Sakhalin)
‘Latipes-buyu’ Kani, 1944	
<i>uchidae</i> , <i>ucidai</i> : incorrect subsequent spellings	
[<i>latipes</i> : Bentinck, 1955, not Meigen]	
uemotoi Sato, Takaoka & Fukuda, 2004	Japan (Kyushu, Hok, Hon, Sh)
‘2’ Orii, Uemoto & Onishi, 1969 (<i>Eusimulium</i> sp.)	
‘3’ Onishi, Uemoto & Orii, 1971 (<i>Eusimulium</i> sp.)	
‘H’ Saito & Kanayama, 1988 (<i>Simulium</i> sp.)	
urbanum Davies, 1966	Britain (England); Belgium, Denmark, Germany, Ireland, Luxembourg, Sweden, Netherlands (?)
‘B1’ Hunter, 1987 (<i>cryophilum</i> cytoform)	
vernum Macquart, 1826 [1823/24]	France; Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia, Britain (En, Sc, Wa), China (He, IM, Jilin, Li), Czech Republic, Denmark, Estonia, Finland, Germany, Hungary, Iceland, Ireland, Italy (incl. Sicily), Kazakhstan, Latvia, Liechtenstein, Lithuania, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (FE, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine. [Not North America (misidentified)]
[valid, ICZN Opinion 1416, List] (complex)*	
<i>pubiventris</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
<i>pubiventre</i> Zetterstedt, 1838 [Sweden]	
<i>trabeatum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>trabeatum</i> (Enderlein, 1921 [June]) (available) [France]	
<i>pritzkowi</i> (Enderlein, 1926) [Norway]	
<i>albipileatum</i> (Enderlein, 1926) [Germany]	
<i>schielei</i> (Enderlein, 1926) [Germany]	
<i>wigandi</i> (Enderlein, 1928) [Poland]	
<i>fluminale</i> (Rubtsov, 1956) [Siberia (Permskaya)]	
<i>hatangense</i> (Rubtsov, 1956) [Siberia (Krasnoyarsk)]	
<i>shutovae</i> (Rubtsov, 1956) [Siberia (Maritime FE)]	
<i>aestivale</i> (Rubtsov, 1962) [Russia (St Petersburg)]	
<i>meridionale</i> (Rivosecchi & Lipparoni, 1965) (preocc.) [Italy]	
<i>mariae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	
‘Dorset IIS-1’ Brockhouse, 1985 (cytoform)	Britain (England)
‘Knebworth’ Brockhouse, 1985 (cytoform)	Britain (England), Finland, Sweden. [‘USA (Alaska)’ error]
‘Lymington’ Brockhouse, 1985 (cytoform)	Britain (En)
‘N89’ Brockhouse, 1985 (cytoform)	Norway
‘N99’ Brockhouse, 1985 (cytoform)	Norway
‘N111/N96’ Brockhouse, 1985 (cytoform)	Norway
‘X ₀ Y ₀ ’ Hunter, 1987 (cytoform)	Germany, Italy
‘X ₀ Y ₁ ’ Hunter, 1987 (cytoform)	Germany
‘Hornvik’ Bass & Brockhouse, 1990 / Brockhouse, 1991 (thesis) (cytoform)	Iceland, Norway
[<i>latipes</i> : authors (incl. Rubtsov & Yankovsky, 1988 Catalogue), not Meigen: sense invalid (ICZN Opinion 1416)]	
wulindongense An & Yan, 2006	China (Heilongjiang)
<i>wulingdongense</i> : incorrect subsequent spelling	
wyomingense Stone & DeFoliart, 1959	USA (Wyoming, Cal, Ore, Utah); Canada (BC)
<i>alpinum</i> Peterson, 1958 (thesis) (unav., <i>nomen nudum</i>)	
[<i>minus</i> : Hearle, 1932 / Coleman, 1951 (thesis), not Dyar & Shannon]	
xinbinense Chen & Cao, 1983	China (Liaoning)
<i>xinbinense</i> : incorrect subsequent spelling	
xueae Sun, 1994	China (Liaoning)
<i>xueae</i> Sun, 1992 (? available, not seen, cited by Sun 1994)	
yushangense Takaoka, 1979	Taiwan; China (Gu)
<i>yeshangense</i> , <i>yushangense</i> : incorrect subsequent spellings	
zakhariense (Rubtsov, 1955)	Armenia; Azerbaijan
zhangjiajiense Chen, Zhang & Bi, 2004	China (Hunan)
zhiltzovae (Rubtsov, 1976)	Georgia
‘A’ Datta, Dey & Paul, 1975 (<i>Simulium</i> sp.)	India (WB)
‘Vashisht’ Datta, 1982 (<i>Simulium</i> sp.)	India (HP)

Nevermannia species unplaced to group

dasguptai Datta, 1974	India (West Bengal); China (Sichuan)
'D' Datta, Dey & Paul, 1975 (<i>Simulium</i> sp.)	India (Sik, WB)
'KUa' Yoon & Song, 1990 (<i>Simulium</i> sp.)	Korea (South)
'KUb' Yoon & Song, 1990 (<i>Simulium</i> sp.)	Korea (South)
'KUc' Yoon & Song, 1990 (<i>Simulium</i> sp.)	Korea (South)
'KUd' Yoon & Song, 1990 (<i>Simulium</i> sp.)	Korea (South)

Subgenus NOTOLEPRIA Enderlein

NOTOLEPRIA Enderlein, 1930 (as genus). Type species: *exiguum* (original designation)

blantoni Field, 1967	Panama
cuasiexiguum Shelley, Luna Dias, Maia-Herzog & Lowry, 2000 [in Shelley, Maia-Herzog, Lowry, Luna Dias, Garritano, Shelley, Camargo & Carter]	Brazil (Goias, MGr, SP)
exiguum Roubaud, 1906 (complex)	Venezuela; Argentina (Jujuy, Salta, Tuc), Bolivia, Brazil (Amz, Bahía, BFD, Goiás, MG, MGr, MGrN, Ror, SP, Toc), Colombia, Ecuador, Guatemala, Guyana, Mexico (Mo), Panama, Peru (Cuzco, Huá, Junín, Lima)
<i>glaucophthalmum</i> Knab, 1914 [Peru ('Santa Clara')]	
<i>delpontei</i> Paterson & Shannon, 1927 [Argentina (Salta)]	
<i>urubambanum</i> Enderlein, 1934 [1933] [Peru (Cuzco)]	
'Aguarico' Procnier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Bucay' Procnier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Cayapa' Procnier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Quevedo' Procnier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Huatarac' Charalambous, Arzube & Lowell, 1998 (cytoform)	Ecuador
'Napo' Charalambous, Arzube & Lowell, 1998 (cytoform)	Ecuador
<i>delponti</i> : incorrect subsequent spelling	
<i>glaucophthalmum</i> , <i>glaucophthalmicum</i> : incorrect subsequent spellings	
gonzalezi Vargas & Díaz Nájera, 1953	Guatemala; Belize, Costa Rica, Ecuador, Mexico (Ch, Co, Gu, Hi, Ja, Mi, Mo, Na, Ox, Pu, SLP, Ta, Tb, Vz)
<i>gonzalesi</i> : incorrect subsequent spelling	
[<i>exiguum</i> : authors, not Roubaud]	
incertum Lutz, 1910	Brazil (Minas Gerais, SP)
llutense Coscarón & Matta, 1982	Chile (Tarapacá)
paraguayense Schrottky, 1909	Paraguay; Argentina (Cos, Mis), Brazil (Bahía, MG, RDJ, SP), Venezuela
paranense Schrottky, 1909	Paraguay
subexiguum Field, 1967	Panama; Mexico (Ch)
'A' Ibáñez-Bernal, 1992 (<i>Simulium</i> sp.)	Mexico (Chiapas)

Subgenus OBUCHOVIA Rubtsov

OBUCHOVIA Rubtsov, 1947 (as subgenus of *Simulium*). Type species: *albellum* (monotypy)

adornatum (Rubtsov, 1956)	Russia (Caucasus)
albellum Rubtsov, 1947	Tajikistan; Afghanistan, Kazakhstan, Pakistan, Uzbekistan
auricoma Meigen, 1818	Austria; Andorra, Bulgaria, Cyprus, Czech Republic, France (incl. Corsica), Germany, Greece (Crete, Ikaría, Lésbos, Naxos, Rhodes, Samos), Italy (incl. Sardinia, Sicily), Lebanon, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Turkey, Ukraine
<i>syriacum</i> Roubaud, 1909 [Lebanon]	
<i>djerdapense</i> Baranov, 1937 [Serbia]	
biseriatum Rubtsov, 1940	Tajikistan [neotype]; China (Tibet)
brevifile (Rubtsov, 1956)	Ukraine (Crimea); Italy (incl. Sicily, Sardinia)
continii (Rivosecchi & Cardinali, 1975)	Italy (Sardinia)
emiliae (Rubtsov, 1976)	Tajikistan

galloprovinciale Giudicelli, 1963 [1962]	France; Italy, Morocco, Spain
ibericum Crosskey & Santos Grácio, 1985	Portugal; Spain
karasuae (Panchenko, 1998)	Ukraine (Crimea)
<i>karacuae</i> : incorrect original spelling [alternative]	
margaritae (Rubtsov, 1956)	Armenia; Turkey
<i>margaritea</i> : incorrect subsequent spelling	
marocanum Bouzidi & Giudicelli, 1988 [1987]	Morocco; Algeria
popowae Rubtsov, 1940	Armenia; Azerbaijan, Bulgaria
<i>terminasjanæ</i> Terteryan, 1952 [Armenia]	
<i>atrofusum</i> (Rubtsov, 1956) [Armenia]	
<i>popovae</i> : incorrect subsequent spelling	
<i>terminasjane</i> : incorrect original spelling (alternative)	
segusina (Couvert, 1968)	Italy
<i>seguisina</i> : incorrect subsequent spelling	
transcaspicum Enderlein, 1921 [June]	Turkmenistan; Azerbaijan, Iran, Turkey (?)
<i>transcaspicum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>trensaspica</i> : incorrect subsequent spelling	
[<i>ochrescentipes</i> : Rubtsov & Yankovsky, 1988, not Enderlein]	

Subgenus PHORETOMYIA Crosskey

PHORETOMYIA Crosskey, 1969 (as subgenus of *Simulium*). Type species: *copleyi* (original designation)

afonuri Lewis & Disney, 1970	Cameroon
baetophilum Lewis & Disney, 1972	Cameroon
<i>baetophilum</i> : incorrect subsequent spelling	
berneri Freeman, 1954	Ghana; Ivory Coast, Liberia, Uganda, Angola (?)
copleyi Gibbins, 1941	Kenya; Tanzania, Uganda
desirei Pilaka & Elouard, 1999	Madagascar
diceros Freeman & De Meillon, 1953	Democratic Republic of Congo
dukei Lewis, Disney & Crosskey, 1969 [1968]	Cameroon
[<i>aureosimile</i> : Duke, 1962, not Pomeroy]	
kiangaraense Pilaka & Elouard, 1999	Madagascar
kumboense Grenier, Germain & Mouchet, 1966 [1965]	Cameroon
lumbwanum De Meillon, 1944	Kenya; Botswana, Cameroon, Ivory Coast, Liberia, South Africa (M), Swaziland, Uganda, Zambia/Zimbabwe (Victoria Falls) (?)
<i>lerabanum</i> Gouteux, 1979 [1978] (ssp.) [Ivory Coast]	
marlieri Grenier, 1950	Democratic Republic of Congo
melanocephalum Gouteux, 1978	Democratic Republic of Congo
moucheti Gouteux, 1977	Democratic Republic of Congo
rickenbachi Germain, Grenier & Mouchet, 1966	Cameroon
zairensis Gouteux, 1977	Democratic Republic of Congo

Subgenus POMEROYELLUM Rubtsov

POMEROYELLUM Rubtsov, 1962 (as genus). Type species: *cervicornutum* (original designation)

ALCOCKI species-group

alcocki Pomeroy, 1922	Nigeria; Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi, Mozambique, Rwanda, São Tomé and Príncipe (São Tomé), Senegal, Sierra Leone, South Africa (FS, G, KZN, L, M, WC), Sudan, Swaziland, Tanzania, Togo, Uganda
<i>kenyanum</i> Séguy, 1938 [Kenya]	
<i>henrardi</i> Gibbins, 1941 [Democratic Republic of Congo]	

allaeri Wanson, 1947	Democratic Republic of Congo
bayakorum Fain & Elsen, 1974	Democratic Republic of Congo
coalitum Pomeroy, 1922	Nigeria; Cameroon, Democratic Republic of Congo, Ghana, Ivory Coast, Togo
djallonense Roubaud & Grenier, 1943	Guinea; Benin, Burkina Faso, Cameroon, Ghana, Guinea-Bissau, Ivory Coast, Liberia, Mali, Nigeria, Sierra Leone
duodecimum Gibbins, 1936	Uganda; Cameroon, Democratic Republic of Congo, Kenya, Sudan
evillense Fain, Hallot & Bafort, 1966	Democratic Republic of Congo (Katanga); Botswana, Burkina Faso, Ivory Coast, Mali, Nigeria, Tanzania, Zambia
‘A’ Hallot, Fain, Bafort & Lips, 1965 (<i>Simulium</i>) [<i>merops</i> : authors, not De Meillon]	
garmsi Crosskey, 1969 (subst. name, for <i>occidentale</i>)	Nigeria; Benin, Burkina Faso, Cameroon, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Sierra Leone, Togo, South Africa (?), Tanzania (?)
<i>violaceum</i> Pomeroy, 1922 (preocc.) <i>occidentale</i> Freeman & De Meillon, 1953 (subst. name, preocc., for <i>violaceum</i>)	
geigy Garms & Häusermann, 1968	Tanzania; Ethiopia
gilleti Fain & Hallot, 1964	Democratic Republic of Congo
hisseteum Gibbins, 1936	Democratic Republic of Congo; Cameroon, Kenya
<i>vargasi</i> Grenier & Rageau, 1949 [Cameroon] <i>hisseteum</i> , <i>hissetum</i> : incorrect subsequent spellings	
impukane De Meillon, 1936	South Africa (KwaZulu Natal, EC, FS, G, L, M, NC, NW, WC); Angola, Benin, Cameroon, Democratic Republic of Congo, Ethiopia, Guinea, Lesotho, Malawi, Mozambique, Nigeria, Sierra Leone, Sudan, Swaziland, Tanzania
<i>impucane</i> : incorrect subsequent spelling	
ituriense Fain, 1951	Democratic Republic of Congo
johannae Wanson, 1947	Democratic Republic of Congo; Benin, Cameroon, Ethiopia, Ivory Coast, Kenya, Liberia, Nigeria, Rwanda, Zambia, Tanzania (?)
<i>roubaudi</i> Grenier & Rageau, 1949 [Cameroon] <i>jadini</i> Fain, 1950 [Rwanda] <i>akanyaruense</i> Fain, 1950 [Rwanda] <i>novemcornutum</i> Fain & Elsen, 1980 (ssp.) [Democratic Republic of Congo]	
liberiense Garms, 1973	Liberia; Ivory Coast
mayumbense Fain & Elsen, 1973	Democratic Republic of Congo
merops De Meillon, 1950	South Africa (Western Cape, EC). [Other records erroneous]
multiclavulatum Fain, Elsen & Dujardin, 1989	Democratic Republic of Congo
nyaense Gouteux, 1977	Democratic Republic of Congo
oguamai Lewis & Disney, 1972	Cameroon; Democratic Republic of Congo
rodhaini Fain, 1950	Rwanda
santomi Mustapha, 2004 [<i>in</i> Mustapha, Jarvis & Post]	São Tomé and Príncipe (São Tomé)
schwetzi Wanson, 1947	Democratic Republic of Congo
<i>sextumdecimum</i> Luna de Carvalho, 1962 (unav., form post-1960)	Angola
tentaculum Gibbins, 1936	Uganda; Democratic Republic of Congo, Ethiopia, Kenya, Malawi, Sudan, Tanzania, South Africa (?)
weyeri Garms & Häusermann, 1968	Tanzania; Ethiopia

CERVICORNUTUM species-group

aureliani Fain, 1950	Rwanda
blacklocki De Meillon, 1930	Sierra Leone; Liberia
borunicornutum Pilaka & Elouard, 1999	Madagascar
cervicornutum Pomeroy, 1920	Cameroon; Angola, Benin, Burkina Faso, Burundi, Central African Republic, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi, Mozambique, Nigeria, Rwanda, Sierra Leone, South Africa (EC, FS, KZN, L, M), Sudan, Swaziland,
‘Gibbins’ Mustapha, McCall, Cheke & Post, 2006 (morphoform) ‘Pomeroy’ Mustapha, McCall, Cheke & Post, 2006 (morphoform)	

	Tanzania, Togo, Uganda, Zambia
grenieri Pilaka & Elouard, 1999	Madagascar
leberrei Grenier, Germain & Mouchet, 1966 [1965]	Cameroon
palmeri Pomeroy, 1922	Nigeria; Cameroon, Democratic Republic of Congo
‘Moliba’ Lewis & Disney, 1972 (morphoform)	Cameroon
pauliani Grenier & Doucet, 1949	Madagascar
phluktainae Elouard & Pilaka, 1999 [<i>in</i> Pilaka & Elouard]	Madagascar
quilleverei Pilaka & Elouard, 1999	Madagascar
rotundum Gibbins, 1936	Uganda; Angola, Burundi, Democratic Republic of Congo, Kenya, Malawi, Lesotho, Mozambique, Rwanda, South Africa (EC, FS, G, KZN, M, WC), Sudan, Swaziland, Tanzania
tandrokum Elouard & Pilaka, 1999 [<i>in</i> Pilaka & Elouard]	Madagascar
unicornutum Pomeroy, 1920	Cameroon; Angola, Benin, Burkina Faso, Burundi, Central African Republic, Democratic Republic of Congo, Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mozambique, Nigeria, Sierra Leone, South Africa (EC, FS, KZN, L, M, WC), Tanzania, Togo, Uganda
<i>monoceros</i> Roubaud & Grenier, 1943 [Guinea]	
<i>wolfsi</i> Wanson & Henrard, 1944 [Democratic Republic of Congo]	
<i>bertrandii</i> Luna de Carvalho, 1962 (unav., form post-1960 and preocc.) [Angola]	
‘Palmeri’ Mustapha <i>et al.</i> , 2006 (morphoform) [uncharacterized]	
vangilsi Wanson, 1947	Democratic Republic of Congo

KENYAE species-group

kenyae De Meillon, 1940	Kenya; Cameroon, Democratic Republic of Congo, Guinea, Ivory Coast, Liberia, Nigeria, Rwanda, Sierra Leone, Sudan, Uganda
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SCHOUTEDENI species-group

audreyae Garms & Disney, 1974	Cameroon
<i>audreyae</i> : incorrect original spelling (alternative)	
awashense Uemoto, Ogata & Mebrahtu, 1977	Ethiopia; Botswana
bequaerti Gibbins, 1936	Democratic Republic of Congo (Katanga); Angola, Kenya, Lesotho, South Africa (EC, FS, KZN, L, M), Swaziland, Zimbabwe
<i>phoroniforme</i> De Meillon, 1937 [South Africa (KwaZulu Natal)]	
<i>becquaerti</i> : incorrect subsequent spelling	
harrisoni Freeman & De Meillon, 1953	South Africa (Western Cape); Zambia
mcmahoni De Meillon, 1940	Kenya; Angola, Botswana, Congo, Democratic Republic of Congo, Ethiopia, Malawi, Mali, Mozambique, Nigeria, Rwanda, South Africa (EC, FS, G, L, M, NC, NW), Sudan, Swaziland, Tanzania, Uganda, Zambia
<i>altipartitum</i> Roubaud & Grenier, 1943 [Congo]	
‘Tanzania’ Garms & Disney, 1974 (morphoform)	
<i>macmahoni</i> : incorrect subsequent spelling	
schoutedeni Wanson, 1947	Democratic Republic of Congo; Angola, Benin, Burkina Faso, Cameroon, Ghana, Guinea, Ivory Coast, Liberia, Nigeria, Sudan, Tanzania, Togo
‘B’ Hallot, Fain, Bafort & Lips, 1965 (<i>Simulium</i>)	Democratic Republic of Congo

Pomeroyellum species unplaced to group

‘a’ Williams & Hynes, 1971 (<i>Simulium</i>)	Uganda
‘Ethiopian A’ Uemoto, Ogata & Mebrahtu, 1976 (<i>Simulium</i> sp.)	Ethiopia
‘Ethiopian B’ Uemoto, Ogata & Mebrahtu, 1976 (<i>Simulium</i> sp.)	Ethiopia
‘Ethiopian C’ Uemoto, Ogata & Mebrahtu, 1976 (<i>Simulium</i> sp.)	Ethiopia

Subgenus PSARONIOCOMPSEA Enderlein

- PSARONIOCOMPSEA** Enderlein, 1934 (as genus). Type species: *incrustatum*, as *opaliniifrons* (original designation)
PLIODASINA Enderlein, 1936 (as genus). Type species: *guttatum* (original designation)
CERQUEIRELLUM Py-Daniel, 1983 (as subgenus of *Simulium*). Type species: *amazonicum* (original designation)
COSCARONIELLUM Py-Daniel, 1983 (as subgenus of *Simulium*). Type species: *quadrifidum* (original designation)

SHELLEYELLUM Py-Daniel & Pessoa, 2005 (as genus) (unav., no designated type species)
SHELLEYELLUM Py-Daniel & Pessoa, 2006 (as genus). Type species: *siolii* (original designation)

AMAZONICUM species-group*

amazonicum Goeldi, 1905 [ICZN List]	Brazil (Amazonas [neotype designated ICZN Opinion 1341], Acre, Ror); Colombia, Venezuela
<i>amazonense</i> Lutz, 1917, 1922 (unav., typographical error for <i>amazonicum</i> , vide Pinto, 1932 [1931])	
<i>tallaferroae</i> Ramírez-Pérez, 1971 [Venezuela]	
‘R. Ituxi’ Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform)	Brazil (Amz)
‘R. Mari’ Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform)	Brazil (Amz)
<i>tallaferroae</i> : incorrect subsequent spelling	
argentiscutum Shelley & Luna Dias, 1980	Brazil (Rondônia, Acre, Amz, Bahia); Bolivia, Colombia, Peru (Ucayali)
‘E’ Tidwell <i>et al.</i> , 1981 (morphoform)	
‘Madeira’ Shelley, Pinger & Moraes, 1982 (<i>Simulium</i> sp.)	
[<i>amazonicum</i> : Cerqueira, 1959, not Goeldi]	
chaquense Coscarón, 1971	Argentina (Chaco, BA, Cos, For, Salta, SDE, SF, Tuc)
cuneatum (Enderlein, 1936)	Paraguay; Argentina (Chaco, Cos, ER, For, Mis, SDE, SF)
ganalesense Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (San Luis Potosi, Mo, Tb); Belize, Honduras
‘Belize’ Shelley, Hernández & Penn, 2002 (morphoform)	
oyapockense Floch & Abonnenc, 1946 (complex)	French Guiana; Argentina (Salta, SDE, Tuc), Bolivia, Brazil (Amapá, Amz, MG, MGr, MGrS, Pará, Paraná, RGS, Ron, Ror, SP, Toc), Colombia, Ecuador, Guyana, Paraguay, Uruguay, Venezuela
<i>pseudosanguineum</i> Ramírez-Pérez & Peterson, 1981 [Venezuela]	
<i>pseudoamazonicum</i> Ramírez-Pérez & Peterson, 1981 [Venezuela]	
<i>cuasisanguineum</i> Ramírez-Pérez, Yarzabal & Peterson, 1982 [Venezuela]	
<i>sanchezi</i> Ramírez-Pérez, Yarzabal & Peterson, 1982 [Venezuela]	
‘A’ Tidwell <i>et al.</i> , 1981 (morphoform)	Bolivia, Brazil, Colombia, Guyana, Venezuela
‘B’ Tidwell <i>et al.</i> , 1981 (morphoform)	Venezuela
‘C’ Tidwell <i>et al.</i> , 1981 (morphoform)	Venezuela
‘Barbacos’ Shelley, Pinger & Moraes, 1982 (<i>Simulium</i> sp.)	Venezuela
‘Bem Querer’ Shelley <i>et al.</i> , 1988 (cytoform, uncharacterized)	Brazil (Roraima)
[<i>amazonicum</i> : authors, not Goeldi]	
[<i>haematopotum</i> : Smart, 1940, not Malloch]	
[<i>minusculum</i> : authors, not Lutz]	
pydanieli (Pessoa, Medeiros & Barbosa, 2008) Comb. n.	Brazil (Amazonas)
quadristrigatum Enderlein, 1934 [1933]	Brazil (Paraná); Paraguay
roraimense Nunes de Mello, 1974	Brazil (Roraima); Argentina (Chaco, Cos), Ecuador, Venezuela
‘Manabi’ Proconier, Shelley & Arzube, 1987 (<i>oyapockense</i> cytoform)	Ecuador
‘Argentina’ Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform)	Argentina (Chaco, Cos)
sanguineum Knab, 1915	Colombia; Panama
venezuelense Ramírez-Pérez & Peterson, 1981	Venezuela; Brazil (Amapá, Toc)

AURISTRIATUM species-group

anamariae Vulcano, 1962	Brazil (São Paulo, Acre, RGS, RJ)
auristriatum Lutz, 1910	Brazil (Minas Gerais, Acre, MGr, MGrS, RJ, SP)
<i>infuscatum</i> Lutz, 1910 (preocc.) [Brazil (Rio de Janeiro/São Paulo)]	
brevifurcatum Lutz, 1910	Brazil (São Paulo, Par, RGS, RJ); Argentina (Mis)
schmidtiummi Wygodzinsky, 1973	Colombia
stellatum Gil-Azevedo, Figueiró & Maia-Herzog, 2005	Brazil (Minas Gerais, RJ, SP)

INCRUSTATUM species-group

angrense Pinto, 1932 [1931]	Brazil (Rio de Janeiro, MG, RGS, SC, SP)
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fuliginis Field, 1969	Panama
incrustatum Lutz, 1910 (complex)	Brazil (Minas Gerais, Amapá, Bahía, BFD, Ceará, ES, Goiás, MGr, MGrS, Par, Pba, Per, RGN, RGS, RJ, Ror, SC, SP, Toc); Argentina (Cos, Mis), Colombia, Ecuador, Panama, Paraguay, Trinidad, Venezuela. ['Guyana' error]
<i>aequifurcatum</i> Lutz, 1910 [Brazil (? state)]	
<i>opalinifrons</i> (Enderlein, 1934) [Paraguay]	
<i>yarzabali</i> Ramírez-Pérez, 1980 [Venezuela]	
jujuyense Paterson & Shannon, 1927	Argentina (Jujuy, BA, Chaco, Cór, Cos, ER, For, LP, LR, Men, Mis, RN, Salta, SF, SJ, Tuc); Bolivia, Brazil (Bahía, BFD, Goiás, MG, MGr, MGrS, Par, RGS, RJ, SC, SP, Toc), Colombia, Ecuador, Paraguay, Uruguay
<i>auripellitum</i> Enderlein, 1934 [1933] [Paraguay]	
<i>mendozanum</i> (Enderlein, 1936) [Argentina (Mendoza)]	
<i>guttatum</i> (Enderlein, 1936) [Paraguay]	
<i>bonaerense</i> Coscarón & Wygodzinsky, 1984 [Argentina (Buenos Aires)]	
<i>minuanum</i> Strieder & Coscarón, 2000 [Brazil (Rio Grande do Sul)]	
<i>jujugense</i> : incorrect subsequent spelling	
limbatum Knab, 1915	Guyana; Brazil (Amapá, Bahía, ES, MGr, Pará, Pba, Per, RJ, Ror, SP), Venezuela
<i>machadoi</i> Ramírez-Pérez, 1971 (preocc.) [Venezuela]	
<i>meruoca</i> Nunes de Mello, Barbosa de Almeida & Dellome Filho, 1973 [Brazil (Roraima)]	
<i>machadoallisoni</i> Vulcano, 1981 (subst. name)	
[<i>aequifurcatum</i> : Coscarón & Wygodzinsky, 1984 / Coscarón, 1987, 1991 / Coscarón <i>et al.</i> , 1992, not Lutz]	
[<i>incrustatum</i> : authors (Guyana), not Lutz]	

QUADRIFIDUM species-group

cauchense Floch & Abonnenc, 1946	French Guiana; Brazil (Amapá, Amz, Pará, Ror), Guyana, Venezuela
<i>sextobecium</i> Nunes de Mello, 1974 [Brazil (Roraima)]	
<i>rangeli</i> Ramírez-Pérez, Rassi & Ramírez, 1977 [Venezuela]	
'4 A2' Dellome Filho, 1978 (thesis) (<i>Simulium</i> sp., part)	
cerradense Coscarón, Cerqueira, Schumaker & La Salvia, 1992	Brazil (Bahía)
'A' Coscarón, 1991 (<i>Simulium</i> (<i>Coscaroniellum</i>) sp.)	
daltanhani Hamada & Adler, 1998	Brazil (Amazonas)
goeldii Cerqueira & Nunes de Mello, 1967	Brazil (Amazonas, Amapá, Pará, Ron, Ror); French Guiana, Venezuela
<i>scorzai</i> Ramírez-Pérez, 1980 [Venezuela]	
<i>goeldi</i> : incorrect subsequent spelling	
quadrifidum Lutz, 1917	Brazil (Rondônia, Amapá, Amz, Pará, Ror); Bolivia, Colombia, Ecuador, French Guiana, Guyana, Suriname, Venezuela
<i>torrealbai</i> Ramírez-Pérez, 1980 [Venezuela]	
rassii Ramírez-Pérez, 1980	Venezuela
<i>rassi</i> , <i>rassii</i> : incorrect subsequent spellings	
ulyssesi (Py-Daniel & Coscarón, 2001)	Brazil (Amazonas)
'6-B1' Hamada & Adler, 2001 (<i>Simulium</i>)	

SIOLII species-group

damascenoi Py-Daniel, 1988	Brazil (Amapá)
guaporense Py-Daniel, 1989	Brazil (Rondônia, MGr)
[<i>siolii</i> : Py-Daniel, 1988 (part)]	
siolii Py-Daniel, 1988	Brazil (Matto Grosso, Amapá, Goiás, Mar, MGrS, Ron, Toc)
<i>lourencoi</i> Py-Daniel, 1988 [Brazil (Goiás)]	
tergospinosum Hamada, 2000	Brazil (Amazonas)

Psaroniocompsa species unplaced to group

catarinense Pinto, 1932 [1931]	Brazil (Santa Catarina)
delponteianum Wygodzinsky, 1961	Argentina (Buenos Aires, Cos, ER); Brazil (RGS), Uruguay
<i>delpontelanum</i> : incorrect original spelling	
lutzi Knab, 1913 (subst. name, for <i>exiguum</i>)	Brazil (São Paulo, MG)
<i>exiguum</i> Lutz, 1909 (preocc.)	

- minutum* Surcouf & Gonzalez-Rincones, 1911 (subst. name,
preocc., for *exiguum*)
lutzi Malloch, 1914 (subst. name, preocc., for *minutum*)
minusculum Lutz, 1910 Brazil (Minas Gerais, Amz, Bahía, Goiás, Mar, MGr,
'D' Tidwell *et al.*, 1981 (morphoform) Pará, Piauí, RGS, Ron, Ror, SC, SP, Toc); Argentina
[*amazonicum*: Lutz, 1917, not Goeldi] (Cos, Jujuy, Mís, Salta), Guyana, Venezuela
varians Lutz, 1909 Brazil (São Paulo)

Subgenus PSILOPELMIA Enderlein

PSILOPELMIA Enderlein, 1934 [1933] (as genus). Type species: *escomeli*, as *rufidorsum* (original designation)
LANEA Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *haematopotum*
(original designation)

BLANCASI species-group

- blancasi** Wygodzinsky & Coscarón, 1970 Peru (Lima); Chile (Ant, Tar)
penai Wygodzinsky & Coscarón, 1970 Chile (Antofagasta, Tar)
tenuipes Knab, 1914 Chile (Tarapacá, Ant); Peru (Tacna)

DINELLII species-group

- dinellii** (Joan, 1912) Argentina (Tucumán, Cat, Jujuy, LR, Salta, SDE);
? flavipictum Knab, 1914 [Peru ('Rio Charape')] Bolivia, Brazil (MG, Pará, RGS, SC, SP), Colombia,
miniatum (Enderlein, 1934) [1933] (1) [Bolivia] Ecuador, Peru (Apurímac, 'Rio Charape'), Venezuela
miniatum (Enderlein, 1934) (2) (preocc.) [Colombia]
martinezi Vargas, 1943 (subst. name, for *miniatum* (2))
dinelli: incorrect subsequent spelling
flavopictum: incorrect subsequent spelling
[*ochraceum*: Lane & Porto, 1939 / Lane & Vulcano, 1943,
not Walker]
nuneztovari Ramírez-Pérez, Rassi & Ramírez, 1977 Venezuela
ochraceum Walker, 1861 (complex) Mexico (Chiapas, Ox, Vz); Belize, Brazil (Amz, RJ, Ror,
bipunctatum Malloch, 1912 [Peru ('Rio Charape')] SP), Colombia, Costa Rica, Cuba, Dominican
antillarum Jennings, 1915 [Virgin Islands (Saint Croix)]* Republic, Ecuador (incl. Galapagos Islands (San
scutellatum Lane & Porto, 1940 [*in Porto*] [Colombia] Cristobal)), French Guiana, Guadeloupe, Guatemala,
wolcottii Fox, 1953 [Puerto Rico] Jamaica, Montserrat, Panama, Peru (Cuzco, Huá),
pseudoantillarum Ramírez-Pérez & Vulcano, 1973 [Venezuela] Puerto Rico, Trinidad, Venezuela, Virgin Islands
'D' Lewis, 1963 (*Simulium* sp.) (Saint Croix), Dominica (?)
'A' Hirai & Uemoto, 1983 (cytoform) Guatemala, Mexico (Ch)
'B' Hirai & Uemoto, 1983 (cytoform) Mexico (Ch)
'C' Hirai & Uemoto, 1983 (cytoform) Guatemala, Mexico (Ch)
ocraccum, *onchraceum*: incorrect subsequent spellings
shewellianum Coscarón, 1985 Ecuador; Brazil (SP), Colombia

ESCOMELI species-group

- bivittatum** Malloch, 1914 USA (New Mexico, Ari, Col, Idaho, Mon, Neb, Ore, SD,
idahoense Twinn, 1938 [USA (Idaho)] Texas, Utah, Was, Wyo); Canada (Alb, Sask), Mexico
'A' Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form) (Ca, Cl, SLP, Ta, Vz, Za)
'B' Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)
bobpetersoni Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1996 Mexico (Jalisco, Ag, Ca, Ch, Cl, Co, Du, GJ, Gu, Mi, Mo,
[*trivittatum*: authors (Guatemala, Mexico), not Malloch] NL, Ox, Pu, SLP, Ta, Vz); Guatemala
callidum (Dyar & Shannon, 1927) Mexico (Veracruz, Ch, Co, Gu, Hi, Ju, Mi, Mo, MS,
mooseri (Dampf, 1927) [Mexico (Oaxaca)] Ox, Pu, SLP); Belize, Costa Rica, El Salvador,
rufidorsum (Enderlein, 1936) (preocc.) [Costa Rica] Guatemala, Panama, Colombia (?), Venezuela (?)
costaricense Smart, 1944 (subst. name)
costarricense Vargas, 1945 (subst. name, as *costarricense*)

	[<i>ochraceum</i> : Malloch, 1914, not Walker]	
clarum	(Dyar & Shannon, 1927)	USA (California)
	<i>clarium</i> : incorrect spelling (Fig. 52 caption in original description)	
	[<i>bivittatum</i> : authors (California), not Malloch]	
	[<i>trivittatum</i> : authors (California), not Malloch]	
dandrettai	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Mexico State, FD, Ox, Vz)
	‘near <i>dandrettai</i> ’ Coscarón <i>et al.</i> , 1996 (<i>Simulium</i> sp.)*	
downsi	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Chiapas, Ox); El Salvador, Guatemala, Nicaragua, Venezuela
	[<i>ochraceum</i> : Hoffmann, 1931, not Walker]	
dugesi	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Tamaulipas, NL, SLP); Guatemala
escomeli	Roubaud, 1909	Peru (Arequipa, Anc, Lima, Tacna); Chile (Tar), Colombia, Ecuador
	<i>rufidorsum</i> (Enderlein, 1934) [1933] [Peru (‘Hoch-Peru’)]	
	[<i>samboni</i> : Dampf, 1943, not Jennings]	
gonzalezherrejoni	Díaz Nájera, 1969	Mexico (Zacatecas, Ag)
	<i>jerezense</i> Díaz Nájera, 1969 [Mexico (Zacatecas)]	
	<i>letrasense</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
	<i>netтели</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
	<i>olimpicum</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
	<i>vulcanoae</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
	<i>olympicus</i> : incorrect subsequent spelling	
griseum	Coquillett, 1898	USA (Colorado, Cal, Mon, Neb, Nev, NM, SD, Utah, Wyo); Canada (Alb, Sask)
	‘undet.’ Cameron, 1922 (<i>Simulium</i> sp.)	
	<i>grisem</i> : incorrect subsequent spelling	
haematopotum	Malloch, 1914	Mexico (Veracruz, Ch, Co, Gu, Ja, Mi, Mo, Na, Ox, Pu, Si, Tb); Belize, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Puerto Rico, Suriname, Venezuela. [‘Guyana’ error]
	<i>pseudohaematopotum</i> Hoffmann, 1930 [Mexico (Chiapas)]	
	<i>marathrumi</i> Fairchild, 1940 [Panama]	
	<i>boydi</i> De León, 1945 [Guatemala]	
iracouboense	Floch & Abonnenc, 1946	French Guiana; Brazil (Amapá, Amz, Pará, Ror), Suriname, Venezuela
	<i>sucamense</i> Nunes de Mello, 1974 [Brazil (Roraima)]	
	<i>santaelenae</i> Ramírez-Pérez & Peterson, 1981 [Venezuela]	
jacobsi	Dalmat, 1953	Guatemala
labellei	Peterson, 1993	USA (Texas); Mexico [no locality]
longithallum	Díaz Nájera & Vulcano, 1962 [1961]	Mexico (Morelos, Ja); USA (Ari)
mangabeirai	Vargas, 1945	Mexico (Mexico State, FD, Mi, Mo, Vz); Panama
mediovittatum	Knab, 1915	USA (Texas); Mexico (Ca, Cl, SLP, Ta, Vz)
	<i>meddiiovittatum</i> : incorrect subsequent spelling	
meyerae	Moulton & Adler, 2002	USA (New Mexico)
notatum	Adams, 1904	USA (Arizona). [Other state records error]
ochoai	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz)
panamense	Fairchild, 1940	Panama; Costa Rica
pseudocallidum	Díaz Nájera, 1965	Mexico (Mexico State, Ch, Ox); Costa Rica
robynae	Peterson, 1993	USA (Texas, NM)
	‘1’ Jones, Hayes, Potter & Franczy, 1977 (<i>Simulium</i> sp.)	
	[<i>notatum</i> (part): authors, not Adams]	
samboni	Jennings, 1915	Panama; Belize, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico (Ch, Ox, Tb, Vz), Nicaragua, Trinidad, Venezuela
	<i>colvini</i> Dalmat, 1952 [Guatemala]	
	‘E’ Lewis, 1963 (<i>Simulium</i> sp.)	
travisi	Vargas, Vargas & Ramírez-Pérez, 1993	Costa Rica
trivittatum	Malloch, 1914	Mexico (Tamaulipas, Cl); Guatemala, USA (Okl, Texas)
	<i>distinctum</i> Malloch, 1913 (preocc.) [USA (Texas)]	
	<i>mazzottii</i> Díaz Nájera, 1981 [1979] [Mexico (Coahuila)]	
venator	Dyar & Shannon, 1927	USA (Nevada, Cal, Idaho, Mon, Ore, Utah, Was, Wyo)
	<i>beameri</i> Stains & Knowlton, 1943 [USA (California)]	
	[<i>mediovittatum</i> : authors (other than Texas), not Knab]	
veracruz anum	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz, Ca, Ch, Cl, Du, Ja, Mi, Mo, MS, Na, Ox); Belize, Guatemala
	<i>veracruz anum</i> : incorrect subsequent spelling	
zempolense	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Morelos, Du, MS, Ox, Vz)

PERFLAVUM species-group

ignacioi Ramírez-Pérez & Vulcano, 1973	Venezuela
kabanayense Ramírez-Pérez & Vulcano, 1973.....	Venezuela; Brazil (Ror), Guyana
<i>kavanayense</i> : incorrect subsequent spelling	
maroniense Floch & Abonnenc, 1946 (complex)	French Guiana; Brazil (Amapá, Amz, Pará, Ror), Venezuela
‘A’ Hamada & Adler, 1999 (cytoform)	Brazil (Ror)
‘B’ Hamada & Adler, 1999 (cytoform)	Brazil (Ror)
‘C’ Hamada & Adler, 1999 (cytoform)	Brazil (Amapá, Pará)
‘D’ Hamada & Adler, 1999 (cytoform)	Brazil (Amz)
<i>marionense</i> : incorrect subsequent spelling	
[<i>rubrithorax</i> : Smart, 1940, not Lutz]	
perflavum Roubaud, 1906	Brazil (São Paulo, Acre, Amapá, Amz, Bahía, Ceará, ES, Goiás, MG, MGr, Par, Pará, Per, RGS, RJ, Ron, Ror, SC); Argentina (Cos, For, Mis), Guyana, Paraguay, Venezuela
<i>antunesi</i> Lane & Porto, 1940 [Brazil (Bahía)]	
<i>mauense</i> Nunes de Mello, 1974 [Brazil (Roraima)]	
<i>antenusi</i> : incorrect subsequent spelling	
rorotaense Floch & Abonnenc, 1946	French Guiana; Brazil (Amz, MGr, Pará), Colombia, Guyana, Venezuela
<i>wuayaraka</i> Ortiz, 1957 [Venezuela]	
<i>fulvinotum</i> Cerqueira & Nunes de Mello, 1967 [<i>in</i> Cerqueira] [Brazil (Amazonas)]*	
<i>wayaraka</i> : incorrect subsequent spelling	
suarezi Ramírez-Pérez, Rassi & Ramírez, 1977	Venezuela; Brazil (Roraima)
trombetense Hamada, Py-Daniel & Adler, 1999 [1998] [<i>in</i> Hamada & Adler]	Brazil (Amazonas, Amapá, Pará, Ror); French Guiana, Venezuela
‘X’ Hamada, Adler & McCreddie, 1996 (<i>Simulium</i> sp.)	Venezuela

QUADRIVITTATUM species-group

quadrivittatum Loew, 1862	Cuba; Belize, Colombia, Costa Rica, Dominican Republic, Ecuador, Guatemala, Jamaica, Mexico (Ch, Cp, Ox, Pu, Vz), Nicaragua, Panama, Puerto Rico, Venezuela
<i>mallochi</i> (Enderlein, 1925) [Costa Rica]	
<i>fairchildi</i> Vargas, 1942 [Panama]	
<i>benjamini</i> Dalmat, 1952 [Guatemala]	
<i>fairchild</i> : incorrect subsequent spelling	
[<i>haematopotum</i> : Fairchild, 1940, not Malloch]	
[<i>metallicum</i> : Malloch, 1914, not Bellardi]	

ROMANAI species-group

albanense Coscarón, 1990	Colombia
gabaldoni Ramírez-Pérez, 1971	Venezuela; Colombia
‘B’ Lewis, 1963 (<i>Simulium</i> sp.)	
lutzianum Pinto, 1932 [1931] (complex)	Venezuela; Argentina (Mis), Bolivia, Brazil (Goiás, Par, RGS, Ror, SC), Colombia, Costa Rica, Ecuador, Guyana, Panama, Peru (Cuzco, Huá, Junín)
<i>lewisi</i> Ramírez-Pérez, 1971 [Venezuela]	
<i>alirioi</i> Ramírez-Pérez & Vulcano, 1973 [Venezuela]	
<i>iguazuense</i> Coscarón, 1976 [Argentina (Misiones)]	
‘A’ Lewis, 1963 (<i>Simulium</i> sp.)	
‘C’ Lewis, 1963 (<i>Simulium</i> sp.)	
‘A’ Sawyer, 1991 (<i>lutzianum/lewisi</i> cytoform)	Ecuador
‘B’ Sawyer, 1991 (<i>lutzianum/lewisi</i> cytoform)	Ecuador
‘C’ Sawyer, 1991 (<i>lutzianum/lewisi</i> cytoform)	Ecuador
mayuchuspi Coscarón, 1990	Peru (Junín); Ecuador
romanai Wygodzinsky, 1951	Argentina (Tucumán, Cat, Cór, Jujuy, LR, Salta, SJ); Bolivia, Colombia, Ecuador, Peru (Junín), Venezuela
<i>adolfolutzi</i> Wygodzinsky, 1951 [Argentina (Tucumán)]	
wolffhugeli (Enderlein, 1922)	Argentina (Tucumán, BA, Cat, Chu, Cór, Jujuy, LP, LR, Men, Nqn, RN, Salta, SC, SJ, SL); Bolivia
<i>haarupianum</i> (Enderlein, 1936) [Argentina (Mendoza)]	
<i>wolffhugeli</i> : incorrect subsequent spelling	

Subgenus **PSILOZIA** Enderlein

PSILOZIA Enderlein, 1936 (as genus). Type species: *vittatum*, as *groenlandica* (original designation)

NEOSIMULIUM Rubtsov, 1940 (unav., *nomen nudum*)

NEOSIMULIUM Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *vittatum* (original designation)

PSILOSIA: incorrect subsequent spelling

argus Williston, 1893	USA (California, Ari, Col, Idaho, Kan, Neb, Nev, NM, Ore, Texas, Utah, Was, Wyo); Canada (BC, NWT), Mexico (FD, Mo, NL, Ox, Pu, SLP, So, Vz)
<i>obtusum</i> (Dyar & Shannon, 1927) [USA (California)]	
<i>kamloopsi</i> Hearle, 1932 [Canada (British Columbia)]	
<i>hearlei</i> Twinn, 1938 [USA (Utah)]	
<i>arguo</i> : incorrect subsequent spelling	
<i>haerlei</i> : incorrect subsequent spelling	
[<i>trivittatum</i> : Peterson, 1993 (Arizona & New Mexico), not Malloch]	
enciso Vargas & Díaz Nájera, 1949	Mexico (Hidalgo, Mi); USA (Ari, Cal, Idaho, Nev, NM, Texas)
infernale Adler, Currie & Wood, 2004	USA (California)
tribulatum Lugger, 1897 [1896]	USA (Minnesota, Ala, Alaska, Ari, Ark, Cal, Col, Del, Flo, Geo, Idaho, Ill, Ind, Iowa, Kan, Ken, Lou, Maine, Mar, Mas, Mic, Misp, Misr, Mon, NC, Neb, Nev, NH, NJ, NM, NY, Ohio, Okl, Pen, SC, Ten, Texas, Utah, Vir, Was, Wis, WV, Wyo); Canada (Alb, Man, NWT, Ont, Que, Sask)
<i>glaucum</i> Coquillett, 1902 [USA (Missouri)]	
<i>venustoides</i> Hart, 1912 [<i>in Forbes</i>] [USA (Illinois)]	
'IIIL-1' Rothfels & Featherston, 1981 (<i>vittatum</i> cytoform)	
'IIIL-2': Sutcliffe & McIver, 1987 (lapsus for 'IIIL-1')	
<i>glacum</i> : incorrect subsequent spelling	
<i>venustoide</i> : incorrect subsequent spelling	
vittatum Zetterstedt, 1838	Greenland; Canada (Alb, BC incl. Queen Charlotte Islands, Man, Nfld, Nun, NWT, PEI, Ont, Que incl. Magdalen Islands, Sask, Yukon), Faeroe Islands, Iceland, Mexico (FD, Ta), USA (Alaska, Ari, Ark, Cal, Col, Idaho, Iowa, Maine, Mar, Mic, Min, Misr, Mon, Neb, Nev, NH, NM, NY, Ohio, Ore, Pen, SC, Utah, Ver, Vir, Was, Wis, WV, Wyo)
<i>vittata</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
<i>nasale</i> Gistel, 1848 / Gistel & Bromme, 1850 (unav., <i>nomen nudum</i>)	
<i>groenlandicum</i> (Enderlein, 1936) (preocc.) [Greenland]	
<i>asakakae</i> Smart, 1944 (subst. name)	
'IS-7' Rothfels & Featherston, 1981 (cytoform)	
'/?' Tang, Pruess, Cupp & Unnasch, 1996 (molecular form)	
'Iceland' Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
[<i>dahlgruni</i> : Rubtsov & Yankovsky, 1988, not Enderlein]	

Subgenus **PTERNASPATHA** Enderlein

PTERNASPATHA Enderlein, 1930 (as genus). Type species: *nigristrigatum* (original designation)

DASYPELMOZA Enderlein, 1934 [1933] (as genus). Type species: *annulatum*, as *varipes* (original designation)

ACROPOGON Enderlein, 1934 [1933] (as genus). Type species: *barbatipes* (original designation)

NEMORALE species-group

albicinctum (Enderlein, 1934) [1933]	Peru ('Hoch-Peru')
albilineatum (Enderlein, 1936)	Peru (Cuzco, Junín)
annulatum Philippi, 1865	Chile (Santiago, Ara, BB, LL, Maule); Argentina (Chu, Nqn, RN)
<i>varipes</i> Philippi, 1865 [Chile (Valdivia)]	
barbatipes (Enderlein, 1934) [1933]	Bolivia; Argentina (Jujuy, Men, Nqn, Salta, SJ, Tuc), Chile (O'H, San, Val), Peru (Cuzco, Junín, Puno)
bordai Coscarón & Wygodzinsky, 1972	Bolivia
caprii Wygodzinsky & Coscarón, 1967	Argentina (Chubut)
hectorvargasi Coscarón & Wygodzinsky, 1972	Chile (Tarapacá, O'H)
<i>hectorvargas</i> : incorrect subsequent spelling	
herreri Wygodzinsky & Coscarón, 1967	Peru (Lima)
luchoi Coscarón & Wygodzinsky, 1972	Chile (Tarapacá)
nemorale Edwards, 1931	Argentina (Rio Negro, Chu, Nqn, TDF); Chile (Aisén)
philippii Coscarón, 1976	Chile (O'Higgins, Tar)

prodexargenteum (Enderlein, 1936)	Peru ('Hoch-Peru'); Argentina (Jujuy, Salta), Bolivia
quechuanum Coscarón & Wygodzinsky, 1972	Chile (Tarapacá); Argentina (Jujuy, Salta, SJ)
schoenemanni (Enderlein, 1934) [1933]	Chile (Maule)
stelliferum Coscarón & Wygodzinsky, 1972	Chile (Coquimbo, Ata, O'H, San, Tar, Val); Argentina
[<i>schoenemanni</i> : Wygodzinsky & Coscarón, 1967, not Enderlein]	(RN)
yacuchuspi Wygodzinsky & Coscarón, 1967	Peru (Junín)

NIGRISTRIGATUM species-group

cotopaxi Wygodzinsky & Coscarón, 1979	Ecuador
<i>colopaxi</i> : incorrect subsequent spelling	
deagostinii Coscarón & Wygodzinsky, 1962	Argentina (Tierra del Fuego, Chu, SC)
diamantinum Coscarón & Coscarón-Arias, 1996	Argentina (Mendoza, Nqn, SJ)
dureti Wygodzinsky & Coscarón, 1967	Argentina (Salta, Jujuy); Bolivia
horcochuspi Coscarón & Wygodzinsky, 1972	Argentina (Jujuy)
<i>horocochuspi</i> : incorrect original spelling (alternative)	
limay Wygodzinsky, 1958	Argentina (Neuquén, Chu, Men, RN, SC, SJ)
<i>walterwittmeri</i> Wygodzinsky, 1958 [Argentina (Neuquén)]	
<i>huemul</i> Wygodzinsky & Coscarón, 1967 [Argentina (Chubut)]	
nigristrigatum (Enderlein, 1930)	Argentina (Neuquén, BA, Chu, Men, RN, TDF); Chile
<i>edwardsi</i> (Enderlein, 1934) [1933] [Argentina (Rio Negro)]	(Mag)
<i>bachmanni</i> Wygodzinsky & Coscarón, 1967 [Argentina (Rio Negro)]	
pichi Wygodzinsky & Coscarón, 1967	Argentina (Santa Cruz, Chu)
pulchrum Philippi, 1865	Chile (Santiago, Ara, BB, Maule, O'H, Val)
simile Silva Figueroa, 1917	Chile (Santiago, BB, Coq, Tar); Argentina (Chu, Nqn,
<i>punctativentre</i> (Enderlein, 1936) [Chile ('Cortoderal')]	RN)
<i>figueroa</i> Smart, 1944 (unnecessary subst. name, for <i>simile</i>)	
<i>illiesi</i> Wygodzinsky & Coscarón, 1967 [Argentina (Chubut)]	
[<i>barbatipes</i> : Vargas & Díaz Nájera, 1953 (part), not Enderlein]	
strigidorsum (Enderlein, 1934) [1933]	Peru (Puno); Argentina (Chu, Men)

Subgenus RUBZOVIA Petrova

RUBZOVIA Petrova, 1983 (as genus). Type species: <i>lamachi</i> (original designation)	
<i>CRENOSIMULIUM</i> Giudicelli & Thiery, 1985 (as subgenus of <i>Simulium</i>). Type species: <i>lamachi</i> (original designation)	
knidirii Giudicelli & Thiery, 1985	Morocco
lamachi Doby & David, 1960	France; Germany, Morocco, Spain
<i>lamachei</i> Beaucournu-Saguez, 1972 (unnecessary emendation)	
paraloutense Crosskey, 1988	Canary Islands (Gran Canaria)
vantshi Petrova, 1983	Tajikistan

Subgenus SCHOENBAUERIA Enderlein

SCHOENBAUERIA Enderlein, 1921 (as genus). Type species: <i>nigrum</i> , as <i>matthiesseni</i> (original designation)	
<i>MIODASIA</i> Enderlein, 1936 (as genus). Type species: <i>nigrum</i> , as <i>opalinipennis</i> (original designation)	
<i>GALLIPODUS</i> Usova & Reva, 2000 (as genus). Type species: <i>raastadi</i> (original designation)	
brachyarthrum (Rubtsov, 1956)	Siberia (WS/ES [Yenisei River], FE)
<i>brachyartra</i> , <i>brachyathra</i> : incorrect subsequent spellings	
flavoantennatum Rubtsov, 1940	China (Xinjiang)
<i>favoantennatum</i> : incorrect subsequent spelling	
furculatum Shewell, 1952	Canada (Manitoba, Alb, Lab, Nfld, Nun, NWT, Ont,
'B' Twinn, Hocking, McDuffie & Cross, 1948 (<i>Eusimulium</i> sp.)	Que, Sask, Yukon); USA (Alaska, Maine)
giganteum Rubtsov, 1940	Siberia (WS); Canada (Nun), Russia (NR)
<i>gigiantea</i> : incorrect subsequent spelling	
ivashchenkoi (Yankovsky, 1996) (subst. name)	Russia (Ivanovo CR)

<i>chelevini</i> (Ivashchenko, 1978) (preocc.)	
ivdelense (Yankovsky, 2000)	Siberia (Sverdlovskaya WS)
nigrum (Meigen, 1804)	Germany; Belarus, Lithuania, Poland, Romania, Russia
<i>matthiesseni</i> (Enderlein, 1921 [April]) (available) [Russia (Volgograd)]	(CR, SR), Ukraine, Uzbekistan
<i>peetsi</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>peetsi</i> (Enderlein, 1921 [June]) (available) [Germany]	
<i>behningi</i> Enderlein, 1926 [Russia (Saratovskaya)]	
<i>opalinipenne</i> (Enderlein, 1936) [Germany]	
<i>mathiesseni</i> , <i>matthiesseni</i> , <i>matthissoni</i> :	
incorrect subsequent spellings	
parapusillum (Rubtsov, 1956)	Siberia (Yakutskaya ES)
patrushevae (Ivashchenko, 1978)	Russia (Ivanovo CR)
pseudopusillum (Rubtsov, 1956)	Kazakhstan
pusillum Fries, 1824	Finland; Belarus, Czech Republic, Estonia, Latvia, Lithuania, Mongolia, Norway, Poland, Russia (CR, KM), Siberia (ES, FE, WS), Sweden, Ukraine
<i>pygmaea</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
<i>pygmaeum</i> Zetterstedt, 1838 [Sweden]	
<i>arcticum</i> (Enderlein, 1936) (preocc.) [Norway]	
<i>fridolini</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
<i>fridolini</i> Rubtsov, 1940 [Russia ('northern Urals')]	
<i>roevdeae</i> Smart, 1944 (subst. name)	
<i>pussilla</i> : incorrect subsequent spelling	
<i>pugmaeum</i> , <i>pygmeum</i> : incorrect subsequent spellings	
raastadi (Usova & Reva, 2000)	Ukraine
rangiferinum (Rubtsov, 1956)	Russia (Archangel NR); Siberia (ES, WS)
<i>rangigerina</i> : incorrect subsequent spelling	
rubzovium (Ivashchenko, 1978)	Russia (Ivanovo CR)
samarkandicum (Yankovsky, 2000)	Uzbekistan
subpusillum Rubtsov, 1940	Siberia (Irkutskaya ES [neotype]); Canada (Nun, NWT), Finland, Russia (CR, NR), Sweden, USA (Alaska)
'2' Malloch, 1919 (<i>Simulium</i> sp.)	
'near <i>subpusillum</i> ' Smith, 1970 (thesis) (<i>Simulium</i> sp.)	
'near <i>subpusillum</i> (#2)' Smith, 1970 (thesis) (<i>Simulium</i> sp.)	
<i>subpysilla</i> : incorrect subsequent spelling	
[<i>annulitarse</i> : Carlsson, 1962 / Carlsson <i>et al.</i> , 1977 / Jensen, 1997, not Zetterstedt]	
[<i>pusillum</i> : Puri, 1926 / Bodrova, 1977, not Fries]	
suchomlinae (Usova & Reva, 1995)	Ukraine
<i>tibiale</i> (Tan & Chow, 1976) [<i>in Lee, Tan, Zhou & Wang</i>] (secondary homonym of <i>tibiale</i> Macquart, 1834, but no available subst. name)	China (Beijing)
<i>tibilis</i> : incorrect subsequent spelling	
transbaikalicum Rubtsov, 1940	Siberia (Buryatskaya ES)
<i>transbaicalicum</i> : incorrect subsequent spelling	
tsharae (Yankovsky, 1982)	Siberia (Chitinskaya ES)
tshernovskii (Rubtsov, 1956)	Siberia (Baikal ES, WS)
<i>chernovskii</i> : incorrect subsequent spelling	
zinaidae Crosskey, 1997 [<i>in Crosskey & Howard</i>] (subst. name)	Siberia (Khabarovsk FE)
<i>ussovae</i> (Bodrova, 1989) (preocc.)	
'Z' Adler, Currie & Wood, 2004 (<i>Simulium</i> sp.)	USA (Alaska)
'near <i>giganteum</i> ' Currie, 1997 (<i>Simulium</i> sp.)	

Subgenus SIMULIUM Latreille s. str.

- SIMULIUM** Latreille, 1802 (as genus). Type species: *colombaschense* (original designation)
ODAGMIA Enderlein, 1921 (as genus). Type species: *ornatum* (original designation)
FRIESIA Enderlein, 1922 (as genus) (preocc.). Type species: *bezzii*, as *tristrigata* (original designation)
DISCOSPHYRIA Enderlein, 1922 (as genus). Type species: *trifasciatum*, as *odagmiina* (original designation)
GYNONYCHODON Enderlein, 1925 (as genus). Type species: *nobile* (original designation)
PSEUDODAGMIA Baranov, 1926 (as subgenus of *Odagmia*). Type species: *variegatum* (original designation)

DANUBIOSIMULIUM Baranov, 1935 (as subgenus of *Simulium*). Type species: *colombaschense*, as *columbaczensis* (monotypy)
CLEITOSIMULIUM Séguy & Dorier, 1936 (as subgenus of *Simulium*). Type species: *argenteostriatum*, as *rupicolum* (original designation)
GNUS Rubtsov, 1940 (as subgenus of *Simulium*). Type species: *decimatum* (original designation)
TETISIMULIUM Rubtsov, 1960 (unav. under *Code* Article 13(a)(iii)), not expressly proposed as subst. name for *Friesia* Enderlein)
TETISIMULIUM Rubtsov, 1963 (as genus). Type species: *bezzii* (original designation)
PARABYSSODON Rubtsov, 1964 (as genus). Type species: *transiens* (original designation)
PHOSTERODOROS Stone & Snoddy, 1969 (as subgenus of *Simulium*). Type species: *jemingsi* (original designation)
PHORETODAGMIA Rubtsov, 1972 (as genus). Type species: *ephemerophilum* (original designation)
HIMALAYUM Lewis, 1973 (as subgenus of *Simulium*). Type species: *indicum* (original designation)
PARAGNUS Rubtsov & Yankovsky, 1982 (as genus). Type species: *bukovskii* (original designation)
ARCHESIMULIUM Rubtsov & Yankovsky, 1982 (as subgenus of *Simulium* s. str.). Type species: *tuberosum* (original designation)
ARGENTISIMULIUM Rubtsov & Yankovsky, 1982 (as subgenus of *Simulium* s. str.). Type species: *noelleri* (original designation)
STRIATOSIMULIUM Rubtsov & Yankovsky, 1982 (as subgenus of *Simulium* s. str.). Type species: *japonicum* (original designation)
FORETODAGMIA: incorrect subsequent spelling (Rubtsov, 1974)

ARGENTIPES species-group

arboreum Takaoka, 2006 Philippines (Luzon)
argentipes Edwards, 1928 Malaysia (Malaya)
beludense Takaoka, 1996 Malaysia (Sabah)
bidentatum (Shiraki, 1935) Japan (Honshu, Ky, NI, Sh); China (Fu, Gu, Li, Sh, Si, Yu), Korea (South)
‘Hanakago-buyu’ Kani, 1944
canlaonense Delfinado, 1969 Philippines (Negros)
flavidum Rubtsov, 1947 Tajikistan; Kazakhstan, Siberia (ES, WS), Uzbekistan, Pakistan (?)
versicolor (Rubtsov, 1956) (preocc.) [Kazakhstan]
flavifemur: incorrect subsequent spelling (lapsus for *flavidum*)
minangkabaum Takaoka & Sigit, 1997 Indonesia (Sumatra)

ARGENTEOSTRIATUM species-group

argenteostriatum Strobl, 1898 Albania (‘Jablanica’); Algeria, Andorra, Austria, Bosnia, Bulgaria, Czech Republic, France, Germany, Italy, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine
schoenbaueri Enderlein, 1921 [April] (unav., *nomen nudum*)
schoenbaueri Enderlein, 1921 [June] (available) [Slovakia]
alternans Enderlein, 1921 [April] (unav., *nomen nudum*)
alternans Enderlein, 1921 [June] (available) [Slovakia]
rupicolum Séguy & Dorier, 1936 [France]
simici Zivkovitch, 1959 [Serbia]
argenteostriatum: incorrect subsequent spelling
rupiculum: incorrect subsequent spelling
aureofulgens Terteryan, 1949 Armenia; Azerbaijan, Turkey
hispaniola Grenier & Bertrand, 1954 Spain; Algeria, France, Italy, Portugal, Turkey
parvifrons (Rivosecchi & Cardinali, 1975) (ssp.) [Italy]
hispanica, *hispaniolum*: incorrect subsequent spellings
tjanshanicum Rubtsov, 1963 Kyrgyzstan
tjanschanicum: incorrect original spelling (alternative)

BEZZII species-group

alajense Rubtsov, 1938 Kyrgyzstan; Afghanistan, Armenia, Bulgaria, China (IM, Li, Tibet, Xi), India (Kashmir), Kazakhstan, Mongolia, Pakistan, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Romania (?)
sbergi Rubtsov, 1940 [Tajikistan]
alaensis, *alajensie*, *aljensis*: incorrect subsequent spellings
shergi: incorrect subsequent spelling
hiemale: Chinese authors, not Rubtsov]

bezzii (Corti, 1914) (complex)*	Italy (incl. Sardinia, Sicily); Algeria, Andorra, Armenia, Austria, Azerbaijan, Bosnia, Bulgaria, Cyprus, France (incl. Corsica), Georgia, Germany, Greece (incl. Crete, Lésbos, Rhodes), Iran, Iraq, Israel, Lebanon, Macedonia, Morocco, Poland, Romania, Russia (Caucasus), Serbia, Spain, Switzerland, Turkey, Ukraine, Uzbekistan [Yankovsky, 2003 [2002] treats <i>crinitum</i> as valid sp.]
<i>delphinense</i> Villeneuve, 1918 [France]	
<i>tristrigata</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>tristrigatum</i> (Enderlein, 1921 [June]) (available) [Spain]	
<i>obscurum</i> (Enderlein, 1924) [Bulgaria]	
<i>kondici</i> (Baranov, 1926) [Serbia]	
<i>atlas</i> Séguy, 1930 [Morocco]	
<i>crinitum</i> (Rubtsov, 1956) [Armenia]	
<i>gorjense</i> (Dinulescu, 1966) [Romania]	
<i>graium</i> (Couvert, 1967) [Italy]	
<i>bezzi</i> : incorrect subsequent spelling	
<i>condici</i> : incorrect subsequent spelling	
[<i>venustum</i> : authors (France), not Say]	
coarctatum Rubtsov, 1940	China (Xinjiang); Kazakhstan, Mongolia, Tajikistan, Uzbekistan
<i>coactatum</i> : incorrect subsequent spelling	
desertorum Rubtsov, 1938	China (Xinjiang, Jilin, Tibet); Bulgaria, Kazakhstan, Kyrgyzstan, Pakistan, Siberia (WS), Tajikistan, Turkmenistan
hiemale (Rubtsov, 1956)	Azerbaijan; Uzbekistan. ['China' error]
<i>hilmalis</i> : incorrect subsequent spelling	
kerisorum (Rubtsov, 1956)	Azerbaijan; Bulgaria, Kyrgyzstan, Turkey
kozlovi Rubtsov, 1940	China (Qinghai); Azerbaijan, Kyrgyzstan, Mongolia, Tajikistan, Uzbekistan
latimentum (Rubtsov, 1956)	Kyrgyzstan; Mongolia, Siberia (WS), Romania (?)
longgengen Sun, 1994	China (Liaoning)
<i>longgengen</i> Sun, 1992 (unav., not formally publ.)	
stevensoni Edwards, 1927	Pakistan; India (Kashmir)
tachengense An & Mahe, 1994	China (Xinjiang)
wutaishanense An & Yan, 2003	China (Shanxi)
xiaodaoense Lin, Shi & An, 2004	China (Qinghai)
'2' Saito, Uemoto & Afzal, 1989 (<i>Simulium</i> sp.)	Pakistan

BIMACULATUM species-group

bimaculatum (Rubtsov, 1956)	Uzbekistan; Kazakhstan, China (?), Romania (?)
<i>chinensis</i> (Rubtsov, 1956) (unav., <i>nomen nudum</i>)	
<i>bimaculatatum</i> : incorrect subsequent spelling	
platytarse (Yankovsky, 1977)	Siberia (Khabarovsk FE)
sexafila (Rubtsov, 1976)	Kazakhstan
trilineatum (Rubtsov, 1956)	Tajikistan; Kazakhstan

BUKOVSKII species-group

bukovskii Rubtsov, 1940	Ukraine (Crimea); Armenia, Bulgaria, Romania, Russia (SR), Turkey
<i>bucovskii</i> , <i>bukowskii</i> : incorrect subsequent spellings	
degrangei Dorier & Grenier, 1960	France; Austria, Bosnia, Bulgaria, Georgia, Germany, Italy, Serbia, Slovakia, Switzerland, Ukraine
<i>degrangei</i> Zivkovitch & Grenier, 1959 (unav., <i>nomen nudum</i>)	
<i>sastscheri</i> Machavariani, 1966 [Georgia]	
<i>degranjei</i> : incorrect subsequent spelling	
<i>sastchcheri</i> : incorrect subsequent spelling	
[<i>schoenbaueri</i> : Novák, 1956, not Enderlein]	
vigintifila (Dinulescu, 1966)	Romania

CRASSIFILUM species-group

crassifilum Rubtsov, 1947	Tajikistan; Pakistan, Turkmenistan
'1' Saito, Uemoto & Afzal, 1989 (<i>Simulium</i> sp.)	Pakistan

EPHEMEROPHILUM species-group

dubitskii (Yankovsky, 1996) (subst. name)	Kyrgyzstan
<i>alajense</i> (Rubtsov, 1972) (preocc.)	
ephemerophilum Rubtsov, 1947	Tajikistan; India (HP), Kyrgyzstan, Pakistan (Swat), Uzbekistan
<i>obikumbense</i> (Rubtsov, 1972) [Tajikistan]	
<i>ephemerophila</i> , <i>epheremophila</i> : incorrect subsequent spellings	
<i>obicumbensis</i> : incorrect subsequent spelling	
jani Lewis, 1973	Pakistan (Swat)
rashidi Lewis, 1973	Pakistan; India (HP)
rithrogenophilum (Konurbaev, 1984)	Kyrgyzstan

EXIMIUM species-group

eximium De Meijere, 1913	Indonesia (Java, Sumatra)
ranauense Takaoka, Hadi & Sigit, 2006	Indonesia (Sumatra)
‘nr. <i>eximium</i> ’ Takaoka <i>et al.</i> , 2000 (<i>Simulium</i> sp.)	
thienemanni Edwards, 1934	Indonesia (Java)
upikae Takaoka & Davies, 1996	Indonesia (Java, Flores)
<i>upikae</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	

GRISEIFRONS species-group

choochotei Takaoka, 2002 [<i>in</i> Takaoka & Choochote]	Thailand
chungi Takaoka & Huang, 2006	Taiwan
crocinum Takaoka & Choochote, 2004	Thailand
‘J’ Kuvangkadilok, Boonkemtong & Phayahasena, 1999 (<i>Simulium</i> sp.)	
digrammicum Edwards, 1928	Malaysia (Malaya); Thailand
[<i>griseifrons</i> : Puri, 1932 / Crosskey, 1973, 1988, not Brunetti]	
ephippioidum Chen & Wen, 1999	China (Guizhou)
gravelyi Puri, 1933	India (Tamil Nadu); China (Tibet)
griseifrons Brunetti, 1911	India (Uttar Pradesh, HP, Kashmir); China (Tibet), Pakistan. [‘Malaya’, ‘Thailand’ errors]
<i>greseifrons</i> , <i>griseifrons</i> , <i>griseifrons</i> : incorrect subsequent spellings	
grossifilum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
hengshanense Bi & Chen, 2004	China (Hunan)
hongpingense Chen, 2007 [<i>in</i> Chen, Luo & Yang]	China (Hubei)
horokaense Ono, 1980	Japan (Hokkaido)
indicum Becher, 1885 [1884]	India (Assam, ArP, HP, Kr, Ma, Me, Na, Sik, UP, WB); Afghanistan, Bangladesh, Bhutan, Burma, China (Tibet), Nepal, Pakistan (Kashmir). [Himalayan mountain range distribution]
<i>kashmiricum</i> Edwards, 1927 [Pakistan]	
japonicum Matsumura, 1931	Japan (Hokkaido incl. Rebun and Rishiri Islands, Hon, Ky, NI, Sh); China (Fu, Jilin, Li, Tibet), Korea (South), Siberia (FE incl. Kurile Islands and Sakhalin)
<i>annulipes</i> Shiraki, 1935 (preocc.) [Japan (Hokkaido)]	
<i>oshimanum</i> Shiraki, 1935 [Japan (Nansei Islands)]	
<i>kurilense</i> Rubtsov, 1956 [Siberia (Kurile Islands)]	
‘Yama-buyu’ Kani, 1944	
<i>japoincum</i> , <i>japonieum</i> : incorrect subsequent spellings	
[<i>colobatzensis</i> [<i>sic</i>]: Matsumura, 1915, not Schoenbauer]	
kawamurae Matsumura, 1915	Japan (Kyushu, Hon, Sh); China (Hubei)
‘Kutsugata-buyu’ Kani, 1944	
ledongense Yang & Chen, 2001	China (Hainan)
lushanense Chen, Kang & Zhang, 2007	China (Jiangxi)
maenoi Takaoka & Choochote, 2002	Thailand
mediaxisus An, Guo & Xu, 1995	China (Tibet)
mediocoloratum Takaoka & Choochote, 2004	Thailand
nigrogilvum Summers, 1911	Thailand; Vietnam
<i>nigrogiloum</i> : incorrect subsequent spelling	

phayaoense Takaoka & Choochote, 2005	Thailand
phukaense Takaoka & Choochote, 2005	Thailand
pukaengense Takaoka & Choochote, 2005	Thailand
qini Cao, Wang & Chen, 1993	China (Sichuan)
ramulosum Chen, 2000	China (Guizhou)
rudnicki Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
spoonatum An & Yan, 1998 [<i>in</i> An, Hao & Yan]	China (Guangdong: Shangchuan Island)
suchariti Takaoka & Choochote, 2004	Thailand
taipokauense Takaoka, Davies & Dudgeon, 1995	China (Hong Kong)
<i>taipotauense</i> : incorrect subsequent spelling	
tenuatum Chen, 2000	China (Guizhou)
tenuitarsus Puri, 1933	India (West Bengal)
ufengense Takaoka, 1979	Taiwan; China (Sg)
visuti Takaoka & Choochote, 2006	Thailand
yadongense Deng & Chen, 1993	China (Tibet)
<i>yodongense</i> : incorrect subsequent spelling	
yongi Takaoka & Davies, 1997	Malaysia (Malaya); Thailand
[<i>pahangense</i> : Takaoka & Davies, 1995 (part)]	

JENNINGSI species-group

anchistinum Moulton & Adler, 1995	USA (South Carolina, Geo, NC, NJ, NY, Pen, Vir)
[<i>nyssa</i> : Stone & Snoddy, 1969 (part)]	
aranti Stone & Snoddy, 1969	USA (Alabama, Geo, SC, Ten)
‘116’ Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
chlorum Moulton & Adler, 1995	USA (South Carolina, Pen)
<i>chlorosum</i> Moulton, 1992 (thesis) (unav., <i>nomen nudum</i>)	
confusum Moulton & Adler, 1995	USA (South Carolina, Ala, Ark, Geo, Lou, Misp, NC, Neb, Okl, Ten, Texas, Vir)
[see Adler <i>et al.</i> , 2004 for misidentifications]	
definitum Moulton & Adler, 1995	USA (South Carolina, Del, Pen, Vir)
[<i>lakei</i> : authors, not Snoddy]	
dixiense Stone & Snoddy, 1969	USA (Alabama, Flo, Geo, Misp, NC, SC)
‘17’ Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
fibrinflatum Twinn, 1936	Canada (Ontario, NS); USA (Ala, Geo, Maine, Mas, NC, NH, NJ, NY, Pen, RI, SC, Vir, WV)
<i>underhilli</i> Stone & Snoddy, 1969 [USA (Alabama)]	
<i>octobranchium</i> Moulton, 1992 (thesis) (unav., <i>nomen nudum</i>)	
‘7’ Snow, Pickard & Jones, 1958 / Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
[<i>notiale</i> : Stone & Snoddy, 1969 (part), not Twinn]	
haysi Stone & Snoddy, 1969	USA (Alabama, Flo, Texas)
‘114’ Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
infenestrum Moulton & Adler, 1995	USA (South Carolina, NC)
[<i>rugglesi</i> : authors (South Carolina), not Nicholson & Mickel]	
jenningsi Malloch, 1914	USA (Maryland, Ala, Con, Geo, Ind, Kan, Ken, Maine, Mas, Mic, Min, Misp, Misr, NC, NH, NJ, NY, Ohio, Pen, SC, Ten, Vir, Wis, WV); Canada (Ont, Que)
<i>nigroparvum</i> Twinn, 1936 [Canada (Ontario)]	
‘a’ Johannsen, 1903 (<i>Simulium venustum</i> var.)	
<i>nigrovum</i> : incorrect subsequent spelling	
jonesi Stone & Snoddy, 1969	USA (Alabama, Del, Flo, Geo, Lou, Misp, NC, SC, Texas, Vir)
‘58’ Simpson <i>et al.</i> , 1956 / Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
[<i>jenningsi</i> : Lake, 1983, not Malloch]	
krebsorum Moulton & Adler, 1992	USA (South Carolina, NC)
[<i>haysi</i> : authors (South Carolina), not Stone & Snoddy]	
lakei Snoddy, 1976	USA (Delaware, Flo, Geo, NC, NJ, Pen, SC)
‘120a’ Arnold, 1974 (thesis) (<i>Simulium</i> sp.)	
‘120b’ Arnold, 1974 (thesis) (<i>Simulium</i> sp.)	
‘(prob. new sp.) near <i>jenningsi</i> ’ Hauer & Benke, 1987 (<i>Simulium</i> sp.)	
‘near <i>jenningsi</i> ’ Benke & Parsons, 1990 (<i>Simulium</i>)	
[see Adler <i>et al.</i> , 2004 for misidentifications]	
luggeri Nicholson & Mickel, 1950 (complex)	USA (Minnesota, Ala, Ark, Geo, Ind, Iowa, Kan, Ken,

'L' Fredeen, 1951 (thesis) (<i>Simulium</i> sp.)	Mar, Mic, Misp, Misr, Neb, NH, NJ, NY, Ohio, Okl,
'n. sp. aff. <i>luggeri</i> ' Pistrang, 1983 (thesis) (<i>Simulium</i>)	Pen, SC, SD, Ten, Wis, WV); Canada (Alb, BC, Man,
<i>luggari</i> : incorrect subsequent spelling	NWT, Ont, Sask)
[<i>jenningsi</i> : Currie, 1986, not Malloch]	
notiale Stone & Snoddy, 1969	USA (Alabama, Flo, Geo, NC, Pen, SC, Ten, Vir)
'52' Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
'near <i>notiale-underhilli</i> ' Adler, 1983 (thesis) (<i>Simulium</i> sp.)	
<i>notiale</i> : incorrect subsequent spelling	
nyssa Stone & Snoddy, 1969	USA (Alabama, Ark, Con, Geo, Ken, Maine, Mas, Pen,
'117' Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	SC, Ten, Vir, WV); Canada (NS)
ozarkense Moulton & Adler, 1995	USA (Missouri, Ark, Ken, Okl, Texas)
penobscotense Snoddy & Bauer, 1978	USA (Maine, Mas)
'n. sp. P' May, Bauer, Vadas & Granett, 1977 (<i>Simulium</i>)	
[<i>rugglesi</i> : Stone, 1964 (part), not Nicholson & Mickel]	
podostemi Snoddy, 1971	USA (Mississippi [neotype], Ark, Geo, NC, Pen, SC)
remissum Moulton & Adler, 1995	USA (North Carolina)
snowi Stone & Snoddy, 1969	USA (Alabama, Ten)
'16' Snow, Pickard & Jones, 1958 / Snoddy, 1966	
(thesis) (<i>Simulium</i> sp.)	
taxodium Snoddy & Beshear, 1968	USA (Georgia, Ala, Flo, NC, SC)

MALYSCHEVI species-group

acontum Chen, Zhang & Huang, 2005	China (Sichuan)
acrotrichum Rubtsov, 1956	Uzbekistan; Kazakhstan, Mongolia, Siberia (ES, WS)
apricarium Adler, Currie & Wood, 2004	USA (Wyoming, Ari, Cal, Col, Idaho, Mon, Neb, NM,
[<i>arcticum</i> : authors (Nebraska), not Malloch]	Utah)
arcticum Malloch, 1914 (complex)*	Canada (British Columbia, Alb, Sask); USA (Idaho,
'IIL-3' Shields & Procnier, 1982 (cytoform, typical)	Mon, Wyo)
'1' Adler, Currie & Wood, 2004 (cytoform)	USA (Nev)
'2' Adler, Currie & Wood, 2004 (cytoform)	USA (Ore)
'3' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'4' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'IIL-9' Shileds, Pickens, Clausen & Strizich, 2007 (cytoform)	
'IIL-19' Shileds, Pickens, Clausen & Strizich, 2007 (cytoform)	
'5' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'IIL-10' Shileds, Pickens, Clausen & Strizich, 2007 (cytoform)	
'6' Adler, Currie & Wood, 2004 (cytoform)	Canada (NWT)
'7' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'8' Adler, Currie & Wood, 2004 (cytoform)	Canada (BC[?], NWT)
'9' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'10' Adler, Currie & Wood, 2004 (cytoform)	Canada (Nun, NWT), USA (Cal, Ore)
'IIL-18' Shields, Clausen, Marchion, Michel, Styren, Riggan,	
Santoro & Strizich, 2006 (cytoform)	USA (Mon)
<i>arcticum</i> : incorrect subsequent spelling	
baimaii Kuvangkadilok & Takaoka, 1999 [<i>in</i>	Thailand
Takaoka & Kuvangkadilok]	
brevicerum Knowlton & Rowe, 1934	USA (Utah, Alaska, Cal, Mon); Canada (Alb)
<i>nigresceum</i> Knowlton & Rowe, 1934 [USA (Utah)]	
'IIL-st' Shields & Procnier, 1982 (<i>arcticum</i> cytoform)	
<i>brevicerum</i> : incorrect subsequent spelling	
[<i>corbis</i> : authors (Utah), not Twinn]	
cholodkovskii Rubtsov, 1940 [1939]	Siberia (Buryatskaya ES, FE, WS); China (He, Jilin),
<i>cholodkovskii</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> ,	Mongolia, Russia (CR)
attrib. Rubtsov)	
<i>cholodkovskii</i> : incorrect original spelling	
chromatinum Adler, Currie & Wood, 2004	USA (Arizona, Col, NM, Wyo)
[<i>arcticum</i> : Tang <i>et al.</i> , 1996, not Malloch]	
daisense (Takahasi, 1950)	Japan (Honshu, Hok, Ky, Sh)

<i>diasense</i> : incorrect subsequent spelling	
damingense Chen, Zhang & Zhang, 2007	China (Guangxi Zhuang)
decimatum Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Baikal ES, FE, WS); Canada (Nun, NWT,
<i>simile</i> Malloch, 1919 (preocc.) [Canada (Nunavut [as NWT])]	Yukon), China (He), Mongolia, Russia (CR, KM), USA
<i>wagneri</i> Rubtsov, 1940 [Siberia (Altai)]	(Alaska)
<i>nigricoxum</i> Stone, 1952 (subst. name, for <i>simile</i>)	
<i>xerophilum</i> (Rubtsov, 1969) [Mongolia]	
<i>nigrocoxum</i> : incorrect subsequent spelling	
defoliarti Stone & Peterson, 1958	USA (Wyoming, Cal, Col, Idaho, Mon, NM, Ore, Utah,
<i>curtisi</i> Riegert, 1999 (unav., <i>nomen nudum</i>)	Was); Canada (Alb, BC)
‘73’ Rees & Peterson, 1953 (<i>Simulium</i> sp.)	
‘undescribed species’ Curtis, 1954	
‘near <i>arcticum</i> ’ MacNay, 1955 (<i>Simulium</i> sp.)	
‘(IIS-14.15)’ Shipp & Procunier, 1986 (cytoform)	
fulvipes (Ono, 1978)	Japan (Hokkaido)
<i>oshimaense</i> Ono, 1989 (unnecessary subst. name)	
<i>ono</i> Yankovsky, 1996 (unnecessary subst. name, for <i>fulvipes</i>)	
gabovae (Rubtsov, 1966)	Russia (Komi NR)
hirtipannus Puri, 1932	India (Assam); China (Fu, Gu, Tibet)
ibariense Zivkovitch & Grenier, 1959	Serbia; Austria, Bulgaria, Czech Republic, Macedonia,
<i>novaki</i> Knoz, 1960 [Czech Republic]	Poland, Switzerland, Ukraine
jacuticum Rubtsov, 1940	Siberia (Yakutskaya ES, FE); China (Fu, He, IM, Sh)
<i>halonense</i> (Takahasi, 1940) [China (Inner Mongolia)]	
<i>jecuticum</i> : incorrect subsequent spelling	
kisoense Uemoto, Onishi & Orii, 1974	Japan (Honshu, Sh)
‘Hanakagomodoki-buyu’ Kani, 1952	
kyushuense Takaoka, 1978	Japan (Kyushu)
liaoningense Sun, 1994	China (Liaoning)
malyschevi Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Irkutskaya ES, FE); Canada (Alb, BC, Man,
<i>pseudovariegatum</i> Rubtsov, 1936 (unav., <i>nomen nudum</i> , attrib.	NWT, Sask, Yukon), China (He, Jilin, Li), Japan (Hon,
Dorogostaisky & Rubtsov)	Ky), Korea (South), USA (Alaska)
<i>albipes</i> (Rubtsov, 1956) [Siberia (Maritime FE)]	
<i>lucidum</i> (Rubtsov, 1956) [Siberia (Irkutskaya)]	
‘4’ Malloch, 1919 (<i>Simulium</i> sp.)	
‘Kagogata-buyu’ Kani, 1944	
<i>ablipes</i> : incorrect subsequent spelling	
<i>malyschevi</i> , <i>malyshevi</i> , <i>malyshevy</i> , <i>malyshevi</i> : incorrect	
subsequent spellings	
mongolicum (Rubtsov, 1969)	Mongolia
murmanum Enderlein, 1935	Russia (KM, CR); Canada (Alb, BC, Lab, Man, NB,
<i>corbis</i> Twinn, 1936 [Canada (Quebec)]	Nfld, NS, NWT, Ont, Que, Sask, Yukon), Finland,
<i>relictum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	Norway, Siberia (ES, FE incl. Sakhalin, WS), Sweden,
<i>relictum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	Ukraine, USA (Alaska, Maine, Mas, Mic, Min, NH,
<i>relictum</i> Rubtsov, 1940 [Siberia (Irkutskaya)]	NY, Ver, Wis)
<i>forsi</i> (Carlsson, 1962) [Sweden]	
‘II’ Puri, 1926 (<i>Simulium</i> sp.)	
[<i>tenuimanus</i> : Rubtsov, 1956, not Enderlein]	
[<i>rostratum</i> : Rubtsov, 1962 / Patrusheva, 1982 / Rubtsov &	
Yankovsky, 1988, not Lundström]	
nacojapi Smart, 1944 (subst. name)	Japan (Honshu, Ky, Sh); China (Li), Korea (South),
<i>japonicum</i> (Shiraki, 1935) (preocc.)	Siberia (ES, FE)
‘Madoaki-buyu’ Kani, 1944	
[<i>subvariegatum</i> : Bentinck, 1955, not Rubtsov]	
negativum Adler, Currie & Wood, 2004	USA (Wyoming, Alaska, Col, Mon, Nev, NM, Utah);
‘IL-3.4’ Shields & Procunier, 1982 (<i>arcticum</i> cytoform)	Canada (Alb, Yukon)
nujiangense Xue, 1993	China (Yunnan)
omorii (Takahasi, 1942)	China (Heilongjiang)
pavlovskii Rubtsov, 1940	Siberia (Maritime FE incl. Sakhalin, ES); China (He, IM,
<i>ishikawai</i> Takahasi, 1940 [China (Inner Mongolia)]	Xi), Ukraine (?)

<i>ishikawae</i> , <i>ishilawai</i> : incorrect subsequent spellings	
<i>pavlovski</i> , <i>pavlovskii</i> : incorrect subsequent spellings	
rubroflavifemur Rubtsov, 1940	China (Xinjiang)
<i>rubvoflavifemur</i> : incorrect subsequent spelling	
rufipes (Tan & Chow, 1976) [<i>in Lee, Tan, Zhou & Wang</i>]	China ('northeastern')
saccatum (Rubtsov, 1956)	China (Shandong); Siberia (Maritime FE)
<i>saceatum</i> : incorrect subsequent spelling	
saxosum Adler, Currie & Wood, 2004	USA (California, Alaska, Ore, Was); Canada (Alb, BC incl. Queen Charlotte Islands, Yukon)
'IIL-2' Shields & Procnier, 1982 (<i>arcticum</i> cytoform)	
siripoomense Takaoka & Saito, 1996	Thailand
subvariegatum Rubtsov, 1940	Siberia (Yakutskaya ES, FE); China (Be), Mongolia
<i>subvariegatum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
<i>subvariegatum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
tanae Xue, 1992	China (Yunnan, Jx, Zh)
tumninum (Bodrova, 1989)	Siberia (Khabarovsk FE)
vampirum Adler, Currie & Wood, 2004 (subst. name, for <i>simile</i>)	Canada (Saskatchewan [neotype], Alb, NWT)
<i>simile</i> Cameron, 1918 (attrib. Malloch) (preocc.) [Canada (Sask)]	
'IIS-8.9' Procnier & Shemanchuk, 1983 (<i>arcticum</i> cytoform)	
'IIS-10' Procnier & Shemanchuk, 1983 (<i>arcticum</i> cytoform)	
'IIS-10 (IL-8)' Procnier & Shemanchuk, 1983 (<i>arcticum</i> cytoform)	
'IIS-10.11' Procnier, 1984 (<i>arcticum</i> cytoform)	
[<i>arcticum</i> : authors, not Malloch]	
'IIL-1' Shields & Procnier, 1982 (<i>arcticum</i> cytoform)	Canada (Alb, Man), USA (Alaska)
'IIS-4' Procnier, 1984 (<i>arcticum</i> cytoform)	Canada (Alb)

MELANOPUS species-group

abatanense Takaoka, 1983	Philippines (Luzon)
acostai Takaoka, 1983	Philippines (Mindanao)
aquilum Takaoka, 2006	Philippines (Luzon)
atrum Delfinado, 1969	Philippines (Mindanao, Luzon, Palawan, Tawi Tawi)
banahauense Takaoka, 2007	Philippines (Luzon)
bishopi Takaoka & Davies, 1995	Malaysia (Malaya); Indonesia (Sumatra)
concavum Takaoka, 2006	Philippines (Luzon)
conspicuum Takaoka, 2006	Philippines (Luzon)
crassimanum Edwards, 1933	Malaysia (Sabah)
discrepans Delfinado, 1969	Philippines (Luzon, Bohol, Cebu, Leyte, Mindanao, Mindoro, Negros, Panay)
dumogaense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
forcipatum Delfinado, 1969	Philippines (Luzon, Palawan)
fuscitarse Takaoka, 2003	Indonesia (Sulawesi)
gatchaliani Takaoka, 1983	Philippines (Mindanao)
halconense Takaoka & Tenedero, 2007	Philippines (Mindoro)
iridescens De Meijere, 1913	Indonesia (Java, Sumatra)
<i>iridescens</i> : incorrect subsequent spelling	
iwahigense Takaoka, 1983	Philippines (Palawan)
javaense Takaoka & Hadi, 1991	Indonesia (Java)
[<i>iridescens</i> var.: Edwards, 1934, not De Meijere]	
landonoense Takaoka, 2003	Indonesia (Sulawesi)
laterale Edwards, 1933	Malaysia (Sabah, Sarawak)
liewi Takaoka, 2007	Malaysia (Sabah)
maklarini Takaoka, 2007	Malaysia (Sabah)
malaibaense Takaoka & Tenedero, 2007	Philippines (Negros)
mayoyaoense Takaoka, 2006	Philippines (Luzon)
mediodentatum Takaoka, 2003	Indonesia (Sulawesi)
melanopus Edwards, 1929	Philippines (Luzon, Leyte, Mindanao, Negros, Palawan)
neodiscrepans Takaoka, 2006	Philippines (Luzon)
nigripilosum Edwards, 1933	Malaysia (Sabah)

nudifrons Takaoka, 2003	Indonesia (Sulawesi)
palawanense Delfinado, 1971	Philippines (Palawan)
pandum Takaoka, 2006	Philippines (Luzon)
retusum Delfinado, 1971	Philippines (Palawan)
salebrosum Takaoka, 1983	Philippines (Mindanao)
seramense Takaoka, 2003	Indonesia (Maluku)
simulacrum Delfinado, 1969	Philippines (Luzon)
subatrum Takaoka, 1983	Philippines (Palawan, Luzon)
sumigoreense Takaoka, 2006	Philippines (Luzon)
suplidoi Takaoka, 1983	Philippines (Negros)
taalense Takaoka, 1983	Philippines (Luzon, Mindoro)
tomentosum Delfinado, 1969	Philippines (Luzon)
tomohonense Takaoka, 2003	Indonesia (Sulawesi)
tumpaense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
watanabei Takaoka, 2003	Indonesia (Sulawesi)

MULTISTRIATUM species-group

barraudi Puri, 1932	India (Kashmir, HP); China (Tibet), Pakistan
<i>barrandi</i> : incorrect subsequent spelling	
bullatum Takaoka & Choochote, 2005	Thailand
chainarongi Kuvangkadilok & Takaoka, 1999	
[in Takaoka & Kuvangkadilok]	Thailand
<i>chainalongi</i> , <i>chinarongi</i> : incorrect subsequent spellings	
chaliowae Takaoka & Boonkemtong, 1999	
[in Takaoka & Kuvangkadilok]	Thailand
<i>cheliowae</i> : incorrect subsequent spelling	
chanyae Takaoka & Choochote, 2007	Thailand; Burma (?)
chongqingense Zhu & Wang, 1995 (junior primary homonym of	
<i>chongqingense</i> (-is) Zhu & Wang, 1995 (earlier use),	
but no available subst. name)	China (Sichuan)
demolaense Takaoka & Somboon, 2008	Bhutan
dentatum Puri, 1932	India (West Bengal, Assam, Me, Sik); Bhutan, China
<i>demtatum</i> , <i>duntatum</i> : incorrect subsequent spellings	(Tibet)
deothangense Takaoka & Somboon, 2008	Bhutan
digitatum Puri, 1932	India (HP & Punjab); China (Gd, Tibet)
fenestratum Edwards, 1934	Indonesia (Sumatra); Thailand
[<i>sakishimaense</i> : Takaoka & Suzuki, 1984, not Takaoka]	
hillycum Maskey, 1989	Nepal
<i>hillycum</i> Maskey, 1986 (thesis) (unav., <i>nomen nudum</i>)	
hirtinervis Edwards, 1928	Malaysia (Malaya); Vietnam
konakovi Rubtsov, 1956	Siberia (Kurile Islands FE)
<i>konokovi</i> : incorrect subsequent spelling	
lampangense Takaoka & Choochote, 2005	Thailand
lineothorax Puri, 1932	India (Assam, TN)
malayense Takaoka & Davies, 1995	Malaysia (Malaya); Thailand, Vietnam
multistriatum Rubtsov, 1947	Tajikistan; Kazakhstan, Turkmenistan, Uzbekistan
<i>multistriatum</i> : incorrect subsequent spelling	
novolineatum Puri, 1933 (subst. name)	India (West Bengal, ArP, Ka, UP); Burma
<i>lineatum</i> Puri, 1932 (preocc.)	
pallidofemur Deng, Zhang, Xue & Chen, 1994	China (Tibet)
<i>pallidofemum</i> : incorrect subsequent spelling	
parawaterfallum Zhang, Yang & Chen, 2003	China (Hainan)
pulanotum An, Guo & Xu, 1995	China (Tibet)
sakishimaense Takaoka, 1977	Japan (Nansei Islands); China (Fu, Gu, HK, Jx, Yu, Zh),
<i>fujianense</i> Zhang, 1988 (ssp.) (thesis) (unav., <i>nomen nudum</i>)	Taiwan. ['Thailand' error]
<i>fujianense</i> Zhang & Wang, 1991 (ssp.) [China (Fujian)]	
<i>sakhishimaense</i> : incorrect subsequent spelling	
[<i>fenestratum</i> : Ogata, 1966, not Edwards]	

shangchuanense An & Hao, 1998 [<i>in</i> An, Hao & Yan]	China (Guangdong: Shangchuan Island)
subornatoides Rubtsov, 1947	Tajikistan
<i>subornatouides</i> : incorrect subsequent spelling	
takense Takaoka & Choochote, 2005	Thailand
triglobus Takaoka & Kuvangkadilok, 1999	Thailand
uncum Zhang & Chen, 2001	China (Guizhou)
waterfallum Zhang, Yang & Chen, 2003	China (Hainan)
wulingense Zhang & Chen, 2000	China (Guizhou)
<i>welingense</i> : incorrect subsequent spelling	
xanthogastrum Rubtsov, 1951	Tajikistan; Pakistan, Uzbekistan
<i>xanthogastrum</i> Rubtsov, 1947 (unav., <i>nomen nudum</i>)	
xiaolongtanense Chen, 2007 [<i>in</i> Chen, Luo & Yang]	China (Hubei)
‘B’ Takaoka & Davies, 1995 (<i>Simulium</i> sp.)	Malaysia (Malaya)

NOBILE species-group

asishi Datta, 1988	India (West Bengal)
baltazarae Delfinado, 1962	Philippines (Luzon, Cebu, Leyte, Mindanao, Mindoro, Negros, Samar)
[<i>nobile</i> : Delfinado, 1969, not De Meijere]	
benquetense Takaoka, 1983	Philippines (Luzon)
cotabatoense Takaoka, 1983	Philippines (Mindanao)
delfinadoe Takaoka, 1983	Philippines (Negros, Luzon)
‘A’ Delfinado, 1969 (<i>Simulium</i> sp.)	
latistylum Takaoka, 1983	Philippines (Palawan)
leytense Takaoka, 1983	Philippines (Leyte, Luzon, Negros, Panay)
nobile De Meijere, 1907	Indonesia (Java, Sumatra); Malaysia (Malaya, Sabah), Thailand
<i>kiuliense</i> Smart & Clifford, 1969 [Malaysia (Sabah)]	
nodosum Puri, 1933	India (Karnataka, Assam, WB); China (Fu, Hainan, HK, Tibet, Yu), Thailand, Vietnam
shirakii Kono & Takahasi, 1940 (subst. name)	Taiwan. [‘Japan’ error]
<i>minutum</i> Shiraki, 1935 (preocc.)	
timorensis Takaoka, Hadi & Sigit, 2006	Indonesia (West Timor, Flores)

NOELLERI species-group

beringovi Bodrova, 1988	Siberia (Commander Islands FE)
decorum Walker, 1848	Canada (Ontario, Alb, BC incl. Queen Charlotte Islands, Lab, Man, Nfld, NS, NWT, Que, Sask, Yukon); USA (Ala, Alaska, Col, Con, Del, Flo, Geo, Idaho, Ill, Ind, Kan, Maine, Mas, Mic, Min, Misp, Misr, Mon, NC, Neb, NH, NJ, NY, Ohio, Pen, RI, SC, Ten, Utah, Vir, Was, Wis, WV, Wyo). [Not Old World (misidentified)]
<i>katmai</i> Dyar & Shannon, 1927 [USA (Alaska)]	
<i>ottawaense</i> Twinn, 1936 [Canada (Quebec)]	
‘C’ Fredeen, 1956 (<i>Simulium</i> sp.)	
‘1’ Anderson & Dicke, 1960 (<i>Simulium</i> sp.)	
[<i>piscidium</i> : Johannsen, 1902 / O’Kane, 1926, not Riley]	
dolini Usova & Sukhomlin, 1989	Ukraine; Belarus
nikkoense Shiraki, 1935	Japan (Honshu, Hok, Ky, Sh); China (IM, Jilin, Li), Korea (South)
<i>triangulare</i> Rubtsov, 1963 (ssp. of <i>argyreatum</i>) [Japan (Honshu)]	
<i>nikeoense</i> , <i>nikkaense</i> : incorrect subsequent spellings	
[<i>argyreatum</i> : Chinese and Japanese authors, not Meigen]	
[<i>decorum</i> : authors, not Walker]	
[<i>noelleri</i> : authors, not Friederichs]	
noelleri Friederichs, 1920 (complex)	Germany; Armenia, Austria, Belarus, Belgium, Bosnia, Britain (CI, En, Sc, Wa), Canada (Man, Nun, NWT, Yukon), China (IM, Li), Czech Republic, Denmark, Finland, France, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, WS), Slovakia, Slovenia, Sweden, Switzerland, Turkey, Ukraine, USA (Alaska)
<i>subornatum</i> Edwards, 1920 [Britain (England)]	
<i>tenuimanus</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>tenuimanus</i> Enderlein, 1921 [June] (available) [Germany]	
<i>septentrionale</i> Enderlein, 1935 [Russia (Murmansk)]	
<i>lindneri</i> (Enderlein, 1943) [Austria]	
<i>avidum</i> Rubtsov, 1963 (unav., var. post-1960, preocc.)	
<i>bonomii</i> Rubtsov, 1964 (unav., var. post-1960)	
‘I’ Puri, 1926 (<i>Simulium</i> sp.)	
‘indet.’ Edwards, 1933 (<i>Simulium</i> s. str. sp.)	

'near <i>decorum</i> ' Shewell, 1957 (<i>Simulium</i> sp.)	
'nr. churchill' Hershey, Merritt & Miller, 1995 (<i>decorum</i> cytoform)	
'A' Adler & Kachvoryan, 2001 (cytoform, typical)	Britain (En, Sc), Germany, Russia (NR)
'B' Adler & Kachvoryan, 2001 (cytoform)	Canada (Man, Nun, NWT, Yukon), Finland, Siberia (FE), Sweden
'C' Adler & Kachvoryan, 2001 (cytoform)	Armenia
<i>nöller</i> : incorrect original and subsequent spelling	
<i>molleri</i> , <i>noellery</i> , <i>nolleri</i> : incorrect subsequent spellings	
[<i>argyreatum</i> : authors (incl. Rothfels, 1979), not Meigen]	
[<i>behningi</i> (part): Rubtsov, 1956, 1963 / Chinese authors, not Enderlein]	
[<i>decorum</i> : Palearctic authors, not Walker]	
palustre Rubtsov, 1956	Siberia (Irkutskaya ES, FE, WS); China (IM), Ukraine
parargyreatum Rubtsov, 1979	Tajikistan
tshuni (Yankovsky, 2006)	Russia (Murmansk KM)
vershininae Yankovsky, 1982	Siberia (Chitinskaya ES)

ORNATUM species-group

adventicium Datta, 1985	India (Himachal Pradesh)
baracorne Smart, 1944 (subst. name)	Serbia; Bulgaria, Greece, Romania, Slovakia, Turkey, Ukraine (Crimea), Uzbekistan
<i>ruficorne</i> (Baranov, 1926) (preocc.) [Serbia]	
<i>primum</i> (Baranov, 1926) (<i>ruficorne</i> form, preocc.) [Serbia]	
<i>secundum</i> (Baranov, 1926) (<i>ruficorne</i> form, preocc.) [Serbia]	
<i>ponticum</i> (Rubtsov, 1956) [Ukraine]	
<i>acutiphallus</i> (Rubtsov, 1963) [Ukraine]	
<i>barocornis</i> : incorrect subsequent spelling	
bronchiale (Rubtsov, 1962)	Russia (St Petersburg CR)
chowettani Yankovsky, 1996 (subst. name, malformed)	China (Beijing)
<i>septentrionale</i> (Tan & Chow, 1976) (preocc.)	
croaticum (Baranov, 1937)	Croatia; Germany (?)
<i>decoloratum</i> (Baranov, 1937) [Croatia]	
<i>nigrinum</i> (Baranov, 1937) [Croatia]	
deserticola Rubtsov, 1940	Mongolia; Romania, Tajikistan, Ukraine, Uzbekistan
egregium Séguy, 1930	Morocco
emeinesis An, Xue & Song, 1991	China (Sichuan)
<i>omeinesis</i> : incorrect subsequent spelling	
ferganicum Rubtsov, 1940	Kyrgyzstan; China (Sh), Kazakhstan, Siberia (WS), Tajikistan, Turkmenistan, Uzbekistan
<i>ferghanicum</i> : incorrect subsequent spelling	
flaveolum Rubtsov, 1940	Tajikistan; Kyrgyzstan, Siberia (Altai WS), Turkmenistan, Uzbekistan
<i>flaviolum</i> : incorrect subsequent spelling	
fontanum Terteryan, 1952	Armenia; Azerbaijan, Romania, Russia (SR), Turkey
frigidum Rubtsov, 1940	Siberia (ES, WS); Belarus, Finland, Lithuania, Norway, Poland, Romania, Russia (CR, NR), Sweden, Ukraine
<i>brigida</i> : incorrect subsequent spelling	
fuscum (Rubtsov, 1963)	Russia (St Petersburg CR, NR)
<i>fuscatum</i> Yankovsky, 1996 (unnecessary subst. name)	
intermedium Roubaud, 1906	Canary Islands (Tenerife, Gomera, Gran Canaria, La Palma); Algeria, Andorra, Austria, Balearic Islands (Majorca, Minorca), Belarus, Belgium, Britain (En, Sc, Wa), Bulgaria, Denmark, Finland, France (incl. Corsica), Germany, Ireland, Italy (incl. Sardinia, Sicily), Lithuania, Luxembourg, Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Sweden, Tunisia, Ukraine. [‘Lebanon’, as <i>nitidifrons</i> , error]
<i>nitidifrons</i> Edwards, 1920 [Britain (England)]	
<i>specularifrons</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>specularifrons</i> (Enderlein, 1921 [June]) (available) [Norway]	
<i>h-nigrum</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]	
<i>insolitum</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]	
<i>maderense</i> (Carlsson, 1963) [Madeira]	
<i>flavitibia</i> (Rivosecchi, 1966) [Italy]	
'C' Rothfels, 1979 (<i>ornatum</i> cytoform)	Britain (En), Norway
'D' Rothfels, 1979 (<i>ornatum</i> cytoform)	Germany, Norway, Balearic Islands (Majorca)
'A' Post, 1980 (cytoform)	Britain (En)
'B' Post, 1980 (cytoform)	Britain (En)
<i>nitidipennis</i> , <i>nitidipenuis</i> : incorrect subsequent spellings	

[<i>ornatum</i> : authors (Macaronesian islands), not Meigen]	
iwatense (Shiraki, 1935)	Japan (Honshu); China (Hubei), Siberia (FE incl. Sakhalin)
<i>albatum</i> (Rubtsov, 1962) [Japan (Honshu)]	
<i>ivatensis</i> : incorrect subsequent spelling	
[<i>ornatum</i> : Bentinck, 1955 / Okada, 1972, not Meigen]	
kanchaveli (Machavariani, 1966)	Georgia
kiritshenkoi Rubtsov, 1940	Iran; Armenia, Azerbaijan, Bulgaria, Cyprus, Iran, Iraq, Pakistan, Romania, Russia (Caucasus), Tajikistan, Turkey, Ukraine
<i>caucasicum</i> Rubtsov, 1940 [Armenia]	
<i>sevanense</i> Rubtsov & Terteryan, 1952 [Armenia]	
<i>cisalpinum</i> (Rubtsov, 1956) [Armenia]	
<i>longicaulis</i> (Rubtsov, 1956) [Russia (Caucasus)]	
<i>abacum</i> (Rubtsov, 1963) (unav., var. post-1960)	
<i>minutistylis</i> (Rubtsov, 1963) (unav., var. post-1960)	
<i>maculitibia</i> (Rubtsov, 1963) (unav., var. post-1960)	
<i>kiritshentkovi</i> : incorrect subsequent spelling	
mesasiaticum Rubtsov, 1947	Kazakhstan; Tajikistan, Uzbekistan
ornatum Meigen, 1818 (complex)	Germany; Algeria, Andorra, Austria, Belarus, Belgium, Bosnia, Britain (CI, En, Sc, Wa), Bulgaria, China (Gu, Jilin, Li, Yu), Croatia, Czech Republic, Denmark, Estonia, Finland, France, Greece (incl. Crete, Rhodes), Hungary, Ireland, Israel, Italy (incl. Sardinia, Sicily), Jordan, Kazakhstan, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, Macedonia, Mongolia, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, FE, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine, Uzbekistan
<i>fasciatum</i> Meigen, 1830 [Germany]	
<i>crassitarse</i> Macquart, 1834 [Italy (Sicily)]	
<i>tibiale</i> Macquart, 1834 [France]	
<i>pratorum</i> Friederichs, 1920 [Germany]	
<i>konsuloffi</i> (Enderlein, 1924) [Bulgaria]	
<i>primum</i> (Baranov, 1926) (<i>ornatum</i> form, preocc.) [Serbia]	
<i>secundum</i> (Baranov, 1926) (<i>ornatum</i> form, preocc.) [Macedonia & Serbia]	
<i>babici</i> (Baranov, 1937) [Macedonia]	
<i>borcici</i> (Baranov, 1937) [Macedonia]	
<i>bartulici</i> (Baranov, 1937) [Serbia]	
<i>guelminoi</i> (Baranov, 1937) [Serbia]	
<i>nikolici</i> (Baranov, 1937) [Serbia]	
<i>anderlicecki</i> (Baranov, 1937) [Serbia]	
<i>zagrebiense</i> (Baranov, 1937) [Croatia]	
<i>barense</i> (Baranov, 1939) [Montenegro]	
<i>arensae</i> Rubtsov, 1940 [Siberia (Magadanskaya)]	
<i>oblimum</i> (Odintsov, 1961) [Russia (Vladimirskaia)]	
<i>hibernale</i> (Rubtsov, 1962) (unav., var. post-1960)	
<i>brevicorne</i> (Rubtsov, 1962) (unav., var. post-1960)	
<i>amnis</i> (Rubtsov, 1962) [Russia (Orlovskaya)]	
<i>curvifila</i> (Rivosecchi, 1963) (unav., form post-1960)	
<i>albifrons</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>hibernale</i> (Rivosecchi, 1966) (available) [Italy (incl. Sicily)]	
<i>apenninicum</i> (Rivosecchi, 1966) [Italy]	
<i>albifrons</i> (Rubtsov, 1967) (available) [Italy]	
<i>curvifila</i> (Rivosecchi, 1978) (available) [Italy]	
‘High hill’ Obeng, 1965 (morphoform)	Britian (Wales)
‘1’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘2’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘3’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘4’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘5’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘6’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘7’ Rubtsov, 1967 (<i>ornatum</i> ssp.)	Italy
‘B’ Rothfels, 1979 (cytoform)	Germany (incl. Aachen, type loc. of <i>ornatum</i>)
‘A’ Post, 1980 (cytoform)	Britain (England)
‘B’ Post, 1980 (cytoform)	Britain (England)
‘C’ Post, 1980 (cytoform)	Britain (England)
‘E’ Post, 1980 (cytoform)	Britain (England)
<i>arnatum</i> , <i>omata</i> : incorrect subsequent spellings (lapsus for <i>ornatum</i>)	
<i>borici</i> : incorrect subsequent spelling	

ornatum, ornatam, ornate, ornatha: incorrect subsequent spellings
 [regelationis: Meigen, 1803, 1804, not Linnaeus]

pontinum Rivosecchi, 1960	Italy
rotundatum (Rubtsov, 1956)	Russia (Murmansk KM, CR); Bulgaria, Norway, Poland, Romania, Sweden, Ukraine
savici (Baranov, 1937)	Serbia; Croatia
<i>tenuitarsus</i> (Baranov, 1937) (preocc.) [Croatia]	
<i>baranovi</i> Smart, 1944 (subst. name)	
simoffi (Enderlein, 1924)	Bulgaria
trifasciatum Curtis, 1839	Britain (England, CI); Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Ireland, Italy, Lithuania, Netherlands, Poland, Portugal, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine
<i>angustimanus</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>angustimanus</i> (Enderlein, 1921 [June]) (available) [Germany]	
<i>wilhelmiana</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>wilhelmianum</i> (Enderlein, 1921 [June]) (available) [Germany]	
<i>nigriperna</i> (Enderlein, 1922) [France]	
<i>odagmiina</i> (Enderlein, 1922) [Germany]	
<i>spinosum</i> Doby & Deblock, 1957 [Austria]	
? 'A' Rothfels, 1979 (<i>ornatum</i> cytoform)	

PARNASSUM species-group

parnassum Malloch, 1914	USA (New Hampshire, Ala, Con, Geo, Maine, Mas, Misr, NC, NJ, NY, Pen, SC, Ten, Ver, Vir, WV); Canada (Lab, NB, NS, Ont, Que)
<i>riley anum</i> (Enderlein, 1922) [USA (New York)]	
<i>hydationis</i> Dyar & Shannon, 1927 [USA (Virginia)]	

PETERSONI species-group

petersoni Stone & DeFoliart, 1959	USA (Wyoming, Cal, Idaho, Nev, Ore, Utah)
'#3' Peterson, 1955 (<i>Simulium</i> sp.)	

REPTANS species-group

banaticum Dinulescu, 1966	Romania
colombaschense (Scopoli, 1780) [usually attrib. Fabricius, 1787]	Serbia; Austria, Bosnia, Bulgaria, Germany, Hungary, Italy, Romania, Slovakia. ['Lithuania' error] [For dating and authorship of <i>colombaschense</i> , see Thompson, Entomological News 112: 125-128 (2001)]
<i>lanio</i> (Linnaeus, 1771) ['Bannat' (middle Danube region)]	
<i>columbaczense</i> (Schoenbauer, 1795) [Serbia/Romania]	
<i>flaviventre</i> Strobl, 1898 [Bosnia]	
<i>violaceum</i> Enderlein, 1922 ['Banat', Hungary or Romania]	
<i>profundale</i> Baranov, 1937 [Serbia]	
<i>litorale</i> Baranov, 1937 [Serbia]	
<i>intermedium</i> (Baranov, 1939) (preocc.) [Serbia]	
<i>colobatzensis, colombachense, colombascenze, columbacsense,</i> <i>columbaschense, columbaszenze, columbatzensis,</i> <i>columbatschense, columbatzense, columbaczense,</i> <i>kolumbatzense</i> : incorrect subsequent spellings	
flavicans Rubtsov, 1956	Uzbekistan
flavigaster Rubtsov, 1969	Mongolia; Siberia (ES)
galeratum Edwards, 1920**	Britain (England)
kurense Rubtsov & Djafarov, 1951	Azerbaijan; Armenia, Uzbekistan
<i>shachbuzicum</i> Djafarov, 1960 [Azerbaijan]	
latitarsus Rubtsov, 1971	Mongolia
<i>mongolense</i> Yankovsky, 1996 (unnecessary subst. name)	
liriense Rivosecchi, 1961	Italy
nanum Zetterstedt, 1838	Sweden; Norway, Russia (KM) (?)
<i>nana</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
parvum Enderlein, 1921 [June]	'Europe'
<i>parvum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
pulchripes Austen, 1925	Turkey
remotum Rubtsov, 1956	China (Beijing area)

reptans (Linnaeus, 1758)	Sweden /‘Lapland’; Austria, Belarus, Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, China (He, Xi), Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR incl. Novaya Zemlya, SR), Serbia, Siberia (ES, WS), Slovakia, Spain, Switzerland, Turkey, Ukraine, Uzbekistan
<i>nigrum</i> (Linnaeus, 1746, <i>niger</i>) (no status, pre-1758 name)	
<i>sericeum</i> (Linnaeus, 1767) [Sweden]	
<i>sanguinarium</i> (Pallas, 1771) [Russia (Volga River)]	
<i>argyropeza</i> (Meigen, 1804) [Germany]	
<i>varipes</i> (Meigen, 1818) (unav., publ. as synonym)	
<i>elegans</i> Meigen, 1818 [Germany]	
<i>cinctum</i> Meigen, 1830 [Germany]	
<i>pictum</i> Meigen, 1838 [Germany]	
? <i>humerales</i> Zetterstedt, 1855 [Sweden]	
<i>latimanus</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>latimanus</i> Enderlein, 1921 [June] (available) [Britain (England)]	
<i>heidenreichi</i> Enderlein, 1921 [Germany]	
<i>heringi</i> Enderlein, 1925 [Poland]	
<i>ornatoides</i> Baranov, 1926 (valid emendation of <i>ornatoide</i>) [Serbia]	
<i>calopum</i> Baranov, 1926 [Serbia]	
<i>pseudocolumbaczense</i> Baranov, 1937 [Serbia]	
<i>tumanicum</i> Baranov, 1937 [Serbia]	
<i>vardaricum</i> Baranov, 1937 [Macedonia]	
<i>pukovacense</i> Baranov, 1937 [Macedonia]	
<i>glumovoense</i> Baranov, 1937 [Macedonia]	
<i>agnatum</i> Baranov, 1937 [Serbia]	
<i>reptantoides</i> Carlsson, 1962 [unspecified European]	
? <i>knechteli</i> Dinulescu, 1966 [Romania]	
‘2’ Muráriková, 2005 (morphoform)	
‘A’ Day, Goodall & Post, 2008 (molecular form)	
‘B’ Day, Goodall & Post, 2008 (molecular form)	
<i>glumovense</i> : incorrect subsequent spelling	
<i>ornatoide</i> : incorrect original spelling	
<i>pukovaense</i> : incorrect subsequent spelling	
<i>reptantoides</i> : incorrect subsequent spelling	
<i>sanguinarium</i> : incorrect subsequent spelling	
tanetchowi Yankovsky, 1996 (subst. name, malformed)	China (Beijing)
<i>rheophilum</i> Tan & Chow, 1976 (preocc.)	
tarnogradskii Rubtsov, 1940	Russia (Caucasus); Armenia, Azerbaijan, Uzbekistan
<i>tarnograskii</i> : incorrect subsequent spelling	
voilense Sherban, 1960	Romania; Italy, Serbia, Slovakia, Ukraine
zetterstedti Carlsson, 1962	Sweden

SLOSSONAE species-group

nemuroense Takaoka & Saito, 2002	Japan (Hokkaido)
ruglesi Nicholson & Mickel, 1950	USA (Minnesota, Alaska, Maine, Mic, Wis); Canada (Alb, Lab, Man, NB, NWT, Ont, Que, Sask)
‘M’ Fredeen, 1951 (thesis) (<i>Simulium</i> sp.)	
<i>ruggle</i> , <i>ruggles</i> : incorrect subsequent spelling	
[<i>bracteatum</i> : Walker, 1927, not Coquillett]	
[<i>venustum</i> : O’Roke, 1930, 1931, 1934, not Say 1823]	
[<i>venustum</i> : Fallis <i>et al.</i> , 1951, not Say 1823]	
slossonae Dyar & Shannon, 1927	USA (Florida, Ala, Ark, Geo, Lou, NC, SC, Texas, Vir)
<i>slossonal</i> : incorrect subsequent spelling	
transiens Rubtsov, 1940	Siberia (Irkutskaya ES, FE, WS); Canada (Alb, BC, Man, NWT, Sask, Yukon), China (IM), Finland, Latvia, Mongolia, Poland, Russia (CR, KM, NR), Sweden, USA (Alaska)
<i>transiens</i> [and <i>transins</i> , lapsus] Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
‘R’ Fredeen, 1951 (thesis) (<i>Simulium</i> sp.)	

STRIATUM species-group

argyrocinctum De Meijere, 1913	Indonesia (Java, Sumatra)
bagmaticum Maskey, 1987 [1985]	Nepal

bahense Chen, 2003	China (Yunnan)
<i>behense</i> : incorrect original spelling	
chiangmaiense Takaoka & Suzuki, 1984	Thailand; China (Yu), Vietnam
consimile Puri, 1932	India (Punjab, HP); Pakistan, Sri Lanka
grisescens Brunetti, 1911	India (West Bengal, ArP, Assam, HP, Ka, Ke, Ma, Me, Mr, Na, Pu, TN); Bhutan, Pakistan, Taiwan. ['Japan', 'Korea', 'Thailand' errors]
<i>longiunguis</i> (Enderlein, 1936) [Taiwan]	
<i>gresescens</i> : incorrect subsequent spelling	
jeffreyi Takaoka & Davies, 1995	Malaysia (Malaya); Vietnam
kapuri Datta, 1975	India (Assam, WB)
kariyai (Takahasi, 1940)*	China (Inner Mongolia)
menglaense Chen, 2003	China (Yunnan, Hainan)
nakhonense Takaoka & Suzuki, 1984	Thailand; China (Hainan), Vietnam
<i>nakhoensis</i> , <i>nakhorensis</i> : incorrect subsequent spellings	
pallidum Puri, 1932	India (Punjab, HP); Pakistan
palmatum Puri, 1932	India (Maharashtra, Ka, Ke)
pingtungense Huang & Takaoka, 2008	Taiwan
quinquestriatum (Shiraki, 1935)	Taiwan; China (Fu, Gd, Gu, Hainan, HK, Jx, Li, Si, Tibet, Yu), Japan (Ky, NI, Sh), Korea (South), Thailand, Vietnam
<i>5-striatum</i> : incorrect original spelling	
<i>quinquentriatum</i> : incorrect subsequent spelling	
[<i>grisescens</i> : Bentinck, 1955, not Brunetti]	
striatum Brunetti, 1912	Sri Lanka; Bhutan, India (Ka, Ke, Ma, TN)
<i>latistriatum</i> Senior-White, 1922 [India (Tamil Nadu)]	
<i>cinquestriatum</i> : incorrect subsequent spelling (lapsus for <i>striatum</i>)	
subpalmatum Davies & Györkös, 1992	Sri Lanka
thailandicum Takaoka & Suzuki, 1984	Thailand; China (Yu), Vietnam
<i>thailandicum</i> : incorrect subsequent spelling	
wuzhishanense Chen, 2003	China (Hainan)

TUBEROSUM species-group

aeneifacies Edwards, 1933	Malaysia (Sabah)
alberti Takaoka, 2008	Malaysia (Sabah)
angustifilum Rubtsov, 1947	Tajikistan
<i>angustifilum</i> , <i>angustifilium</i> , <i>angustiphilum</i> : incorrect subsequent spellings	
annulitarse Zetterstedt, 1838	Sweden; Canada (Nun), Finland, Russia (CR, KM), Siberia (FE)
<i>annulitarsis</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
<i>minutissimum</i> Zetterstedt, 1850 [Sweden]	
'FGIO' Adler & Kuusela, 1994 (<i>tuberosum</i> cytoform)	
appalachiense Adler, Currie & Wood, 2004	USA (South Carolina, Ala, Geo, Ken, Maine, Mar, Mas, Mic, NC, NH, NJ, NY, Pen, Ten, Vir, Wis, WV); Canada (Ont, Que)
'CDE' Landau, 1962 (<i>tuberosum</i> cytoform)	
'CDE-2' Mason, 1982 (<i>tuberosum</i> cytoform)	
'CDEM' Mason, 1984 (<i>tuberosum</i> cytoform)	
arisanum Shiraki, 1935	Taiwan. ['Japan' error]
biforamiferum Datta, 1974	India (West Bengal); Bhutan
brevipar Takaoka & Davies, 1995	Malaysia (Malaya); Indonesia (Sumatra), Thailand (?)
chromocentrum Adler, Currie & Wood, 2004	USA (California)
conundrum Adler, Currie & Wood, 2004	USA (West Virginia, Ala, Geo, Ken, Mic, NC, NH, NY, Pen, SC, Ten, Vir); Canada (Alb, BC, Lab, NB, Nfld, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask)
'FGH' Landau, 1962 (<i>tuberosum</i> cytoform)	
corpulentum Rubtsov, 1956	Russia (Permskaya CR, SR)
doipuiense Takaoka & Choochote, 2005 (complex)	Thailand
'E' Takaoka & Suzuki, 1984 (<i>Simulium</i> sp.)	
gusevi Rubtsov, 1976	Russia (Kuybyshev CR)
janzeni Enderlein, 1922	Austria; Latvia, Romania
'4' Kunze, 1953 (<i>Simulium</i> species)	
jugatum Boldarueva, 1979	Siberia (Buryatskaya ES)
keningauense Takaoka, 2008	Malaysia (Sabah, Sarawak)
[<i>sabahense</i> : Smart & Clifford, 1969 (part)]	

lunduense Takaoka, 2008	Malaysia (Sarawak)
manooni Takaoka & Choochote, 2005	Thailand
masilauense Takaoka, 2008	Malaysia (Sabah)
neorufibasis Sun, 1994	China (Liaoning)
nigrifacies Datta, 1974	India (West Bengal); China (Tibet)
nitidithorax Puri, 1932	India (West Bengal, ArP); China (Fu, Hainan, Tibet). [‘Thailand’ error]
perissum Dyar & Shannon, 1927	USA (Virginia, Ala, Ark, Geo, Ill, Ind, Iowa, Kan, Ken, Lou, Maine, Mar, Min, Misp, Misr, Neb, NJ, Ohio, Okl, Pen, SC, Ten, Texas, Wis, WV); Canada (Ont)
‘CKL’ Landau, 1962 (<i>tuberosum</i> cytoform)	
[<i>tuberosum</i> : authors (Nebraska), not Lundström]	
polare Rubtsov, 1940	Siberia (Taymyrsky WS, ES); Russia (NR, SR)
pradyai Takaoka, 2008	Bhutan
prominentum Chen & Zhang, 2002	China (Guizhou)
puliense Takaoka, 1979	Taiwan
pullus Rubtsov, 1956	Uzbekistan
quasifrenum Delfinado, 1971	Philippines (Palawan)
ramosum Puri, 1932	India (Himachal Pradesh, WB); Pakistan
rangjungense Takaoka & Somboon, 2008	Bhutan
rufibasis Brunetti, 1911	India (West Bengal, ArP, HP, Me, Mr, Sik); Burma, China (Fu, Gu, Hubei, Li, Si, Tibet, Yu), Japan (Hok, Hon, Ky, NI, Sh), Korea (South), Pakistan, Taiwan, Thailand
<i>fasciatum</i> Puri, 1932 (preocc.) [India (Himachal Pradesh)]	
<i>yokotense</i> Shiraki, 1935 [Japan (Honshu)]	
‘J-5’ Bentinck, 1955 (<i>Simulium</i> sp.)	
<i>rufiasis</i> : incorrect subsequent spelling	
sabahense Smart & Clifford, 1969	Malaysia (Sabah, Sarawak)
setsukoae Takaoka & Choochote, 2004	Thailand
‘D’ Takaoka & Suzuki, 1984 (<i>Simulium</i> sp.)	
‘H’ Thanwisai, 2004 (thesis) (<i>Simulium</i> sp.)	
‘nr. <i>rufibasis</i> ’ Thanwisai, Kuvangkadilok & Baimai, 2006 (<i>Simulium</i> sp.)	
shennongjiaense Yan, Luo & Chen, 2005	China (Hubei)
sigiti Takaoka & Hadi, 1991	Indonesia (Java)
splendidum Rubtsov, 1940	Siberia (Irkutskaya ES, FE, WS); China (‘Manchuria’), Russia (KM)
<i>splendidum</i> Stulkokina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
<i>splendidum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
subtile Rubtsov, 1956	Russia (Caucasus); Italy, Romania
suzukii Rubtsov, 1963	Japan (Honshu, Hok, Ky, NI, Sh); China (Gu, HK, Jx, Si, Yu), Korea (South), Siberia (FE incl. Sakhalin), Taiwan
<i>ryukyuense</i> Ogata, 1966 [Japan (Okinawa)]	
<i>suznkii</i> : incorrect subsequent spelling	
[<i>tuberosum</i> : authors (Japan), not Lundström]	
tani Takaoka & Davies, 1995 (complex)	Malaysia (Malaya); China (Jilin), Indonesia (Sumatra), Thailand, Vietnam
‘A’ Pramual, Kuvangkadilok, Baimai & Walton, 2005 (cytoform)	
‘B’ Pramual, Kuvangkadilok, Baimai & Walton, 2005 (cytoform)	
[<i>nitidithorax</i> : Crosskey, 1973 / Takaoka & Suzuki, 1984, not Puri]	
tianchi Chen, Zhang & Yang, 2003	China (Hainan)
<i>truncatum</i> Guo, Zhang, An, Zhang, Zheng, Dong & Zhao, 2008 (junior primary homonym of <i>truncatum</i> Lundström, 1911, but no available subst. name)	China (Xinjiang)
tuberosum (Lundström, 1911)*	Finland; Canada (Alb, BC, Lab, Man, NB, Nfld, Nun, NWT, Ont, PEI, Que, Sask, Yukon), Norway, Russia (CR, KM, NR), Siberia (ES, FE, WS), Sweden, USA (Ala, Alaska, Ark, Col, Flo, Geo, Ind, Ken, Maine, Mic, Min, Misp, Misr, Mon, NC, NH, NJ, NM, NY, Ohio, Okl, Pen, SC, Ten, Vir, Wis, WV), Andorra (?), Belarus (?), Belgium (?), Bosnia (?), Britain [not <i>tuberosum</i> s. str.] (En, Sc, Was), Bulgaria (?), Czech Republic (?), France (?), Germany [not <i>tuberosum</i> s. str.], Ireland (?), Lithuania (?), Poland (?), Portugal (?), Romania (?), Slovakia (?), Slovenia (?), Spain (?), Switzerland (?), Turkey (?), Ukraine (?). [‘Mexico’
? ‘2’ Jenkins, 1948 (<i>Simulium</i> sp.)	
‘AB’ Landau, 1962 (cytoform)	
‘A’ Wong, 1976 (thesis) (morphoform)	
‘A’ Mason, 1982 (cytoform)	
‘Y ₂ ’ Mason, 1982 (cytoform)	
<i>tuberozum</i> : incorrect subsequent spelling	

tumulosum Rubtsov, 1956	error]
twinni Stains & Knowlton, 1940	Siberia (Irkutskaya ES, FE, WS); China (Jilin), Finland, Mongolia, Norway, Russia (NR), Sweden
‘FG/FG’ McCreadie, Adler & Burger, 1997 (<i>tuberosum</i> cytoform)	USA (Utah, Cal, Col, Mon, Ore, Wyo); Canada (Alb, BC)
ubiquitum Adler, Currie & Wood, 2004	USA (South Carolina, Ala, Ark, Del, Flo, Geo, Lou, Misp, NC, NJ, Ten, Texas, Vir)
‘F’ Adler & McCreadie, 1997 (<i>tuberosum</i> cytoform)	
[<i>tuberosum</i> : authors (southeastern USA), not Lundström]	
vandalicum Dyar & Shannon, 1927	USA (California, Ala, Alaska, Ari, Ark, Col, Con, Geo, Idaho, Ken, Maine, Mas, Mic, Misp, Mon, NC, NH, NJ, NM, NY, Ohio, Ore, Pen, SC, SD, Ten, Utah, Ver, Vir, Was, Wis, WV, Wyo); Canada (Alb, BC, Lab, Man, NB, NS, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask, Yukon), Mexico (Du)
<i>turnale</i> Twinn, 1938 [USA (Utah)]	
‘FG’ Landau, 1962 (<i>tuberosum</i> cytoform)	
‘B’ Wong, 1976 (thesis) (<i>tuberosum</i> morphoform)	
vulgare Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Irkutskaya ES, FE, WS); Austria, Canada (Alb, Nun, NWT, Yukon), China (He), Czech Republic, Finland, Germany, Latvia, Mongolia, Norway, Romania, Russia (CR, NR, SR), Slovakia, Sweden, Ukraine, USA (Alaska), Uzbekistan
‘FGI’ Mason, 1982 (<i>tuberosum</i> cytoform)	
<i>vurgare</i> : incorrect subsequent spelling	
[<i>tuberosum</i> : authors, not Lundström]	
weji Takaoka, 2001	Thailand
yuphae Takaoka & Choochote, 2005	Thailand
[<i>brevipar</i> : Takaoka & Saito, 1996 / Thanwisai, Kuvangkadilok & Baimai, 2006, not Takaoka & Davies]	

VARIEGATUM species-group

argyreatum Meigen, 1838	Germany; Andorra, Austria, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, Finland, France, Hungary, Ireland, Italy, Luxembourg, Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine
<i>obreptans</i> Edwards, 1920 (unav., publ. as synonym)	
<i>montanum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>montanum</i> Enderlein, 1921 [June] (available, preocc.) [Germany]	
<i>mehelyi</i> Enderlein, 1926 [Slovakia]	
<i>polae</i> Smart, 1944 (subst. name, for <i>montanum</i>)	
<i>celticum</i> Doby & Rault, 1960 [France]	
<i>rheophilum</i> (Knoz, 1961) [Czech Republic]	
<i>daviesi</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>edwardsi</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>argireatum</i> , <i>argureatum</i> , <i>argyraetum</i> , <i>arygreatum</i> , <i>argyrestum</i> : incorrect subsequent spellings	
<i>mehelii</i> : incorrect subsequent spelling	
<i>obreptens</i> : incorrect subsequent spelling	
[<i>monticola</i> : authors, not Friederichs]	
atlasticum Giudicelli & Bouzidi, 1989	Morocco
barnesi Takaoka & Suzuki, 1984	Thailand
[<i>hackeri</i> : Edwards, 1928 (part, Thailand)]	
berberum Giudicelli & Bouzidi, 1989	Morocco
bullae Davies & Györkös, 1987	Sri Lanka
‘b’ Davies, 1984 (<i>Simulium</i> sp.)	
caohaiense Chen & Zhang, 1997	China (Guizhou)
chamlongi Takaoka & Suzuki, 1984	Thailand; Burma, China (Tibet, Yu), Vietnam
cruszi Davies & Györkös, 1992	Sri Lanka
‘C’ Davies, 1984 (<i>Simulium</i> sp., part)	
debacli Terteryan, 1952	Armenia; Azerbaijan, Bulgaria, Romania, Turkey
elongatum Takaoka, 2003	Indonesia (Sulawesi)
exile (Rubtsov, 1956)	Azerbaijan; Kazakhstan, Romania
flavum Takaoka, 2003	Indonesia (Sulawesi)
globosum Takaoka, 2003	Indonesia (Sulawesi)
gribae (Rubtsov, 1956)	Tajikistan
gurneyae Senior-White, 1922	India (Tamil Nadu, Ka, Ma)
hackeri Edwards, 1928	Malaysia (Malaya)

himalayense Puri, 1932	India (West Bengal, ArP, Bihar, HP, Mr, Sik); China (Tibet), Nepal, Pakistan
? <i>vega</i> (Maskey, 1998) [Nepal]*	
<i>vega</i> (Maskey, 1986) (thesis) (unav., <i>nomen nudum</i>)	
humerosum Rubtsov, 1947	Tajikistan
jingfui Cai, An & Li, 2008	China (Sichuan)
karenkoense (Shiraki, 1935)	Taiwan. ['Japan' error]
laplandicum (Chubareva & Yankovsky, 1992)	Russia (Murmansk KM)
laxum Takaoka, 2003	Indonesia (Sulawesi)
linduense Takaoka, 2003	Indonesia (Sulawesi)
lonchatum Chen, Zhang & Huang, 2005	China (Sichuan)
loreense Takaoka, 2003	Indonesia (Sulawesi)
luridum Takaoka, 2003	Indonesia (Sulawesi)
malinoense Takaoka, 2003	Indonesia (Sulawesi)
maximum (Knoz, 1961)	Czech Republic; Austria, Bosnia, Bulgaria, France, Germany, Italy, Poland, Romania, Serbia, Slovakia, Spain, Switzerland, Ukraine
'2' Kúdela & Jedlička, 2002 (<i>monticola</i> morphoform)	
molliculum Takaoka, 2003	Indonesia (Sulawesi)
monticola Friederichs, 1920	Germany; Algeria, Andorra, Austria, Belgium, Bosnia, Bulgaria, Czech Republic, Finland, France (incl. Corsica), Italy, Luxembourg, Macedonia, Norway, Poland, Portugal, Romania, Russia (CR, NR, SR), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine. ['Britain' error]
<i>dorieri</i> Doby & Rault, 1960 [France & Austria]	
<i>petrophilum</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>stenostylus</i> (Rubtsov & Carlsson, 1965) [Sweden]	
<i>stenostyla</i> : incorrect subsequent spelling	
monticoloides (Rubtsov, 1956)	Russia (Caucasus); Bulgaria, Georgia, Romania, Turkey, Ukraine (Crimea)
<i>monticoloide</i> : incorrect subsequent spelling	
niha Giudicelli & Dia, 1986	Lebanon; Turkey
nilgircum Puri, 1932	India (Tamil Nadu); Sri Lanka
<i>niljiricum</i> : incorrect subsequent spelling	
nishijimai (Ono, 1978)	Japan (Hokkaido); Siberia (Kurile Islands FE)
nubis Davies & Györkös, 1987	Sri Lanka
'C' Davies, 1984 (<i>Simulium</i> sp., part)	
oitanum (Shiraki, 1935)	Japan (Kyushu, Hok, Hon, NI, Sh); China (Gu, Jilin, Li, Yu), Korea (South), Nepal, Siberia (FE incl. Sakhalin)
<i>aokii</i> (Takahasi, 1941) [Japan (Honshu)]	
palopoense Takaoka, 2003	Indonesia (Sulawesi)
paranubis Davies & Györkös, 1992	Sri Lanka
'C' Davies, 1984 (<i>Simulium</i> sp., part)	
pelius Sun, 1994	China (Liaoning)
<i>pedius</i> : incorrect subsequent spelling	
qianense Chen & Chen, 2001	China (Guizhou)
quinquefilium Takaoka, 2003	Indonesia (Sulawesi)
schamili (Rubtsov, 1964)	Russia (Caucasus); Armenia
sicanum (Rivosecchi, 1963)	Italy (Sicily)
stenophallum Terteryan, 1952	Armenia
taiwanicum Takaoka, 1979	Taiwan; China (Si, Gu, Jilin, Jx, Si)
triangustum An, Guo & Xu, 1995	China (Tibet)
variegatum Meigen, 1818	Germany; Algeria, Andorra, Armenia, Austria, Azerbaijan, Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, France (incl. Corsica), Greece (incl. Andros, Rhodes), Hungary, Iran, Ireland, Italy (incl. Sicily), Lebanon, Morocco, Poland, Portugal, Romania, Russia (Caucasus), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, Kazakhstan (?), Pakistan (?), Uzbekistan (?). ['Cyprus' error]
<i>varium</i> Meigen, 1818 [Austria]	
<i>luteicorne</i> Stephens, 1829 (unav., <i>nomen nudum</i>)	
<i>affine</i> Stephens, 1829 (unav., <i>nomen nudum</i>)	
<i>rivulare</i> Planchon, 1844 [France]	
<i>veneficum</i> Friederichs, 1920 [Germany]	
<i>bulgarica</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>bulgaricum</i> (Enderlein, 1921 [June]) (available) [Bulgaria]	
<i>vernale</i> (Rubtsov, 1956) [Azerbaijan]	
<i>autumnale</i> (Rubtsov, 1956) [Armenia]	
<i>padanum</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>slovakense</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>pseudovernale</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>venifica</i> : incorrect subsequent spelling	

<i>variegatum</i> : incorrect subsequent spelling	
[<i>livida</i> : Meigen, 1818, not Schellenberg]	
xanthinum Edwards, 1933	Spain; Algeria, France, Morocco
<i>gaudi</i> Grenier & Faure, 1957 [Morocco]	
<i>xantinum</i> : incorrect subsequent spelling	
‘Keris’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan
‘sp. A’ Maskey, 1998 (<i>Simulium</i> sp.)	Nepal
‘sp. B’ Maskey, 1998 (<i>Simulium</i> sp.)	Nepal
‘aff. <i>monticola</i> ’ Dušinský, Kúdela, Stloukalová & Jedlička, 2006 (<i>Simulium</i> sp.)	Slovakia
‘1’ Kúdela & Jedlička, 2002 (<i>monticola</i> morphoform)	

VENUSTUM species-group

abbreviatum Rubtsov, 1957	Russia (St Petersburg CR)
aemulum Rubtsov, 1940 (subst. name)	Siberia (Irkutskaya ES, FE, WS); China (Li), Mongolia
<i>submorsitans</i> Rubtsov, 1940 (preocc.)	
<i>aenulum</i> , <i>semulum</i> : incorrect subsequent spellings	
[<i>venustum</i> : authors (Mongolia), not Say]	
arakawae Matsumura, 1915	Japan (Hokkaido, Hon, Ky, NI, Sh); China (Jilin, Tibet), Korea (South)
‘Kusa-buyu’ Kani, 1944	
[<i>venustum</i> : authors (Japan), not Say]	
bergi Rubtsov, 1956	Georgia; Armenia, Turkey
curvistylus Rubtsov, 1957	Russia (St Petersburg CR, KM); Belarus, Finland, Lithuania, Norway, Sweden, Ukraine
<i>curvistilum</i> , <i>curvistylum</i> : incorrect subsequent spellings	
[<i>morsitans</i> : authors, not Edwards]	
curvitarse Rubtsov, 1940	Siberia (Magadan FE, Kamchatka FE); China (He)
hematophilum Laboulbène, 1882	Canada (Newfoundland, Ont, Que incl. Magdalen Islands); USA (Ala, Ken, NC, Pen, SC, Ten, Vir)
‘CC2 (Cal 4; CTC 4)’ Rothfels <i>et al.</i> , 1978 (<i>venustum</i> cytoform)	
incognitum Adler & Mason, 1997	Canada (Saskatchewan, Alb, Man); USA (Idaho)
‘CC4’ Adler, 1986 (<i>venustum</i> cytoform)	
irritatum Lugger, 1897 [1896]	USA (Utah [neotype], Alaska, Wyo); Canada (Alb, BC, Man, Nfld, NWT, Que, Sask)
‘CC(gB)B’ Rothfels, 1979 (<i>venustum</i> cytoform)	
‘CC3’ Rothfels, 1981 (<i>venustum</i> cytoform)	
kachvorjanae Usova & Zinchenko, 1991	Ukraine
<i>kachvorjani</i> , <i>kachvoryanae</i> : incorrect subsequent spellings	
kamtshaticum Rubtsov, 1940	Siberia (Kamchatka FE)
<i>kamtshadalicum</i> Yankovsky, 1996 (unnecessary subst. name)	
latilobus Rubtsov, 1973	Siberia (Krasnoyarsk ES)
longipalpe Beltyukova, 1955	Russia (Permskaya CR, NR, SR); Belarus, China (IM), Siberia (ES, FE, WS), Ukraine, Uzbekistan
lugense Yankovsky, 1996 (subst. name)	Russia (St Petersburg CR)
<i>hibernale</i> Rubtsov, 1967 (preocc.)	
minutum Lugger, 1897 [1896]	USA (Minnesota, Mic); Canada (Ont, Sask)
‘CC1 (Cal 1 and CTC1)’ Rothfels, Feraday & Kaneps, 1978 (<i>venustum</i> cytoform)	
molestum Harris, 1841	USA (New Hampshire, Mic); Canada (PEI, Que: Magdalen Islands)
‘A/C’ Rothfels, Feraday & Kaneps, 1978 (<i>venustum</i> cytoform)	
morsitans Edwards, 1915	Britain (England, Sc, Wa); Austria, Belarus, Belgium, China (IM), Czech Republic, Denmark, Estonia, Finland, France, Germany, Kazakhstan, Latvia, Lithuania, Luxembourg, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CR, SR), Siberia (ES, FE), Slovakia, Slovenia, Sweden, Turkey, Ukraine
<i>gerstaeckeri</i> Enderlein, 1936 [Austria]	
‘aff. <i>morsitans</i> ’ Jedlička, 1972 (<i>Simulium</i> sp.)	
<i>morsita</i> : incorrect subsequent spelling	
nipponense Shiraki, 1935	Japan (Honshu)
paralongipalpe Vorobets, 1987	Siberia (Yakutskaya ES)
paramorsitans Rubtsov, 1956	Russia (St Petersburg CR, KM, NR, SR); Belarus, Bosnia, Bulgaria, Czech Republic, Estonia, Finland, Germany, Hungary, Italy, Latvia, Lithuania, Norway,
<i>paellignum</i> Rivosecchi, 1966 (ssp.) [Italy]	
<i>semushini</i> Usova & Zinchenko, 1992 [Ukraine]	

<i>paramorsitans</i> : incorrect subsequent spelling	Poland, Romania, Serbia, Siberia (ES, FE, WS),
<i>poelignum</i> : incorrect original spelling (alternative in fig.)	Slovakia, Sweden, Ukraine
piscidium Riley, 1870	USA (New York, Maine, NH); Canada (Nfld, Que)
‘AC(gB) (AC)’ Rothfels, Feraday & Kaneps, 1978 (<i>venustum</i> cytoform)	
‘Ac(qb)’: Colbo & Porter, 1980 (lapsus for ‘AC(gB)’)	
<i>pisciodium</i> , <i>piscidium</i> : incorrect subsequent spellings	
pitense Carlsson, 1962	Sweden; Norway (?)
posticatum Meigen, 1838 [valid, ICZN Opinion 1508, List]	Germany; Austria, Belarus, Belgium, Britain (En),
<i>austeni</i> Edwards, 1915 [precedence not accorded, ICZN Opinion 1508, List] [Britain (England)]	Czech Republic, Denmark, Finland, France, Latvia, Lithuania, Luxembourg, Netherlands, Norway,
<i>pseudoreptans</i> Enderlein, 1935 [Germany]	Poland, Russia (CR, KM), Siberia (WS), Slovenia,
[<i>venustum</i> : Old World authors, not Say]	Sweden, Turkey, Ukraine
[<i>verecundum</i> : Old World authors, not Stone & Jamnback]	
promorsitans Rubtsov, 1956	Russia (Orenburgskaya CR, SR); Belarus, China (IM), Kazakhstan, Lithuania, Poland, Siberia (ES, WS), Ukraine
rezvoi Rubtsov, 1956	Kazakhstan
<i>rezvoyi</i> : incorrect subsequent spelling	
rivosecchii Rubtsov, 1964	Italy
[<i>parvum</i> : Rubtsov, 1956, not Enderlein]	
rostratum (Lundström, 1911)	Finland; Austria, Belarus, Britain (En, Sc), Canada (Alb, BC incl. Queen Charlotte Islands, Lab, Man, Nfld, Nun, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask, Yukon), Czech Republic, Denmark, Finland, Germany, Greenland, Ireland, Latvia, Lithuania, Norway, Poland, Russia (NR), Siberia (FE incl. Sakhalin, WS), Slovakia, Sweden, Ukraine, USA (Alaska, Idaho, Maine, Mic, Min, Mon, NH, NY, Ore, Was, Wis, Wyo)
<i>wilhelmii</i> Enderlein, 1922 [Germany]	
<i>groenlandicum</i> Enderlein, 1935 [Greenland]	
<i>sublacustre</i> Davies, 1966 [Britain (England)]	
‘1’ Malloch, 1919 (<i>Simulium</i> sp.)	
‘ACD’ Rothfels, Feraday & Kaneps, 1978 (<i>verecundum</i> cytoform)	
<i>restratum</i> , <i>rostratum</i> : incorrect subsequent spellings	
<i>wilhelmi</i> : incorrect subsequent spelling	
[<i>argyreatum</i> : Rubtsov, 1956, not Meigen]	
[<i>verecundum</i> : authors (Palearctic), not Stone & Jamnback]	
[see Adler <i>et al.</i> , 2004 for Nearctic misidentifications]	
rubtzovi Smart, 1945 (subst. name)	Siberia (Buryatskaya ES, FE, WS); Canada (NWT, Yukon), Finland, Kazakhstan, Russia (CR, SR), Sweden, Ukraine, USA (Alaska)
<i>simile</i> Rubtsov, 1940 [1939] (preocc.)	
<i>rubzovi</i> : incorrect subsequent spelling	
shevtshenkovae Rubtsov, 1965 (subst. name)	Ukraine; Belarus, Russia (CR, SR)
<i>venustoides</i> Rubtsov, 1963 (preocc.)	
<i>schevtschenkovae</i> , <i>schevtshenkovae</i> , <i>shevchenkovae</i> : incorrect subsequent spellings	
<i>venustoide</i> : incorrect subsequent spelling	
simulans Rubtsov, 1956	Russia (Orenburgskaya CR, SR); Belarus, Kazakhstan, Siberia (ES, FE), Ukraine
tobetsuense Ono, 1977	Japan (Hokkaido); Siberia (Kurile Islands FE, Sakhalin FE)
tormentor Adler, Currie & Wood, 2004	Canada (Northwest Territories, Nun, Que)
‘CH(gB)’ Rothfels, 1979 (<i>venustum</i> cytoform)	
‘H/C’ Rothfels, 1981 (<i>venustum</i> cytoform)	
truncatum (Lundström, 1911)	Finland; Belarus, Canada (Alb, BC, Lab, Nfld, Nun, NWT, Ont, Que, Sask), Lithuania, Norway, Russia (KM), Siberia (ES, FE, WS), Sweden, Ukraine, USA (Alaska, Maine, Mic, NH, NY)
‘EFG/C (CEFG, CEF)’ Rothfels <i>et al.</i> , 1978 (<i>venustum</i> cytoform)	
? ‘EFG’ Rothfels, Feraday & Kaneps, 1978 (<i>venustum</i> cytoform)	
‘near <i>truncatum</i> ’ Gordon & Cupp, 1980 (<i>Simulium</i> sp.)	
[<i>venustum</i> : Rubtsov, 1940, not Say]	
venustum Say, 1823	USA (North Carolina [neotype], Ala, Ari, Ark, Cal, Col, Del, Flo, Geo, Ill, Ind, Iowa, Kan, Ken, Lou, Maine, Mas, Mic, Misp, Misr, Neb, NH, NJ, NY, Ohio, Okl, Pen, SC, Ten, Texas, Vir, Wis, WV, Wyo); Canada (Alb, BC incl. Queen Charlotte Islands, NB, NS, Nun, NWT, Ont, PEI, Que, Sask). [Not Old World (misidentified)]
‘CC’ Rothfels, Feraday & Kaneps, 1978 (cytoform)	
<i>venestum</i> , <i>venustem</i> , <i>venustom</i> , <i>venustrum</i> : incorrect subsequent spellings	

verecundum Stone & Jamnback, 1955	USA (Pennsylvania, Ala, Del, Flo, Geo, Ill, Ken, Lou, Maine, Mic, Min, Misp, NC, NH, NJ, NY, Ohio, SC, Ten, Texas, Vir, Wis); Canada (Nfld, NWT, Ont, PEI, Sask). [Not Old World (misidentified)]
‘AA (Transposition Sibling)’ Rothfels <i>et al.</i> , 1978 (cytoform)	
‘A/C (PS3)’ Rothfels <i>et al.</i> , 1978 (cytoform)	
‘AA-AC’ Gordon & Cupp, 1980 (cytoform)	
‘CC ver.’ Rothfels, 1981 (cytoform)	
‘AA-A/C-CC’ Ciborowski & Adler, 1990 (cytoform)	
<i>Veracundum</i> , <i>verecondum</i> : incorrect subsequent spellings	
xinbinen Sun, 1994	China (Liaoning)
<i>xinbinen</i> Sun, 1992 (unav., not formally publ.)	
‘JJ’ Rothfels, 1981 (<i>venustum</i> cytoform)	USA (Oregon)
‘indet.’ Belqat, Adler & Dakki, 2001 (<i>Simulium</i> sp.)*	Morocco

Simulium s. str. species unplaced to group

ambiguum Shiraki, 1935	Taiwan. [‘Japan’ error]
celsum Takaoka & Davies, 1996	Indonesia (Java)
<i>celsum</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	
christophersi Puri, 1932	India (Kashmir, HP); China (Tibet)
<i>chrystophersi</i> : incorrect subsequent spelling	
contractum Takaoka, 2003	Indonesia (Sulawesi)
cremnosi Davies & Györkös, 1987	Sri Lanka
‘c’ Davies & Györkös, 1984 (<i>Simulium</i> sp.)	
fuscopilosum Edwards, 1928	Malaysia (Malaya)
<i>fuscipilorum</i> : incorrect subsequent spelling	
fuzhouense Zhang & Wang, 1991	China (Fujian, Gu)
<i>fuzhouense</i> Zhang, 1988 (thesis) (unav., <i>nomen nudum</i>)	
howletti Puri, 1932	India (Bihar); China (Tibet)
<i>howletei</i> , <i>howleter</i> , incorrect subsequent spellings	
immortalis Cai, An, Li & Yan, 2004	China (Shanxi)
jieyangense An, Yan, Yang & Hao, 1994	China (Guangdong)
<i>jeeyangense</i> : incorrect subsequent spelling	
katoi Shiraki, 1935	Taiwan. [‘Japan’ error]
kinabaluense Smart & Clifford, 1969	Malaysia (Sabah)
multifurcatum Zhang & Wang, 1991	China (Fujian)
<i>multifurcatum</i> Zhang, 1988 (thesis) (unav., <i>nomen nudum</i>)	
nebulicola Edwards, 1934	Indonesia (Java, Flores, Sumatra)
palniense Puri, 1933	India (Tamil Nadu)
parvulum Takaoka, 2003	Indonesia (Sulawesi)
peliastrias Sun, 1994	China (Liaoning)
<i>peliastrias</i> : incorrect original spelling (alternative)	
rotifilis Chen & Zhang, 1998	China (Guizhou)
<i>rotiflis</i> : incorrect subsequent spelling	
shanxiense Cai, An, Li & Yan, 2004	China (Shanxi)
singtamense Datta & Pal, 1975	India (West Bengal); Nepal
sumatraense Takaoka & Sigit, 1997	Indonesia (Sumatra)
tarbagataicum (Rubtsov, 1967)	Kazakhstan
‘II’ Grenier, 1953 (<i>Simulium</i> sp., attrib. Dorier, 1947)	France
‘A’ Dorier, 1963 (<i>Simulium</i> sp.)	
‘Nathia’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan
‘Assam’ Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam)
‘Diju’ Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam, UP)
‘Doigroon’ Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam)
‘Kamti’ Lewis, 1974 (<i>Simulium</i> sp.)	India (UP)
‘Pabho’ Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam)
‘Rengma’ Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam)
‘Subansiri’ Lewis, 1974 (<i>Simulium</i> sp.)	India (Assam, UP)
‘C’ Takaoka & Davies, 1995 (<i>Simulium</i> sp.)	Malaysia (Malaya)

Subgenus TRICHODAGMIA Enderlein

TRICHODAGMIA Enderlein, 1934 [1933] (as genus). Type species: *townsendi*, as *latitarsis* (original designation)
THYRSOPELMA Enderlein, 1934 [1933] (as genus). Type species: *orbitale*, as *brasiliense* (original designation)
GRENIERIELLA Vargas & Díaz Nájera, 1951 (as subgenus of *Simulium*). Type species: *lahillei* (original designation)
GRENIERELLA: incorrect subsequent spelling

albopictum Lane & Porto, 1940 [<i>in</i> Porto]	Brazil (Paraná)
duodenicornium Pepinelli, Hamada & Trivinho-Strixino, 2005	Brazil (São Paulo, MG)
<i>uodenicornium</i> : incorrect subsequent spelling	
guianense Wise, 1911 [1912] (complex)	Guyana; Brazil (Amapá, Amz, ES, Goiás, Mar, MG,
<i>pintoi</i> d'Andretta & d'Andretta, 1945 [1946] [Brazil (São Paulo)]	MGr, Par, Pará, RJ, Ror, SC, SP, Toc), French Guiana,
<i>ortizi</i> Ramírez-Pérez, 1971 [Venezuela]	Suriname, Venezuela
'A' Charalambous <i>et al.</i> , 1996 (cytoform)	Brazil (Goiás)
'B' Charalambous <i>et al.</i> , 1996 (cytoform)	Brazil (Amapá)
'C' Charalambous <i>et al.</i> , 1996 (cytoform)	Brazil (Maranhao)
'D' Charalambous <i>et al.</i> , 1996 (cytoform)	Brazil (Pará)
[<i>tarsale</i> : Floch & Abonnenc, 1946, not Williston]	
hirtipupa Lutz, 1910	Brazil (Minas Gerais, Amapá, Bahía, SP)
huairayacu Wygodzinsky, 1953	Argentina (Tucumán, Jujuy, Salta); Bolivia, Peru (Cuzco, Lima)
itaunense d'Andretta & Dolores González, 1964	Brazil (São Paulo, RGS, SC)
jeteri (Py-Daniel, Darwich, Mardini, Strieder & Coscarón, 2005)	Brazil (Rio Grande do Sul)
lahillei (Paterson & Shannon, 1927)	Argentina (Tucumán, Cat, Cór, Jujuy, Salta); Bolivia, Colombia, Peru (Cuzco, Lima)
<i>lahilli</i> : incorrect subsequent spelling	
nigrimanum Macquart, 1838	Brazil (São Paulo, BFD, ES, Goiás, MG, MGr, MGrS, Par, Pará, RJ, Toc); Colombia, Paraguay, Venezuela
<i>pruinatum</i> Lutz, 1910 [Brazil (Minas Gerais)]	
<i>spadicidorsum</i> (Enderlein, 1934) [Brazil (São Paulo)]	
nunesdemelloi Hamada, Pepinelli & Hernández, 2006	Brazil (Amazonas)
orbitale Lutz, 1910	Brazil (Minas Gerais, MGrS, Par, RGS, RJ, SC, SP); Argentina (BA, Cos, ER, Mis), Colombia, Paraguay
<i>brasiliense</i> (Enderlein, 1934) [1933] [Brazil (? state)]	
<i>albimanum</i> : incorrect subsequent spelling (lapsus for <i>nigrimanum</i>)	
[<i>nigrimanum</i> : Lutz, 1909, 1910 / Pinto 1932 [1931], not Macquart]	
[<i>paraguayense</i> : Lane & Vulcano, 1943, not Schrottky]	
perplexum Shelley, Maia-Herzog, Luna Dias & Couch, 1989	Guyana
scutistriatum Lutz, 1909	Brazil (Rio de Janeiro, Goiás, MG, MGr, Par, SP, Toc); Colombia, Paraguay, Venezuela
sumapazense Coscarón & Py-Daniel, 1989	Colombia
townsendi Malloch, 1912	Peru ('Rio Charape', Are, Cuzco, Lima); Bolivia, Colombia, Ecuador
<i>chalcocoma</i> Knab, 1914 [Peru ('Tincochchoca')]	
<i>ecuadoriense</i> (Enderlein, 1934) [Ecuador]	
<i>latitarse</i> (Enderlein, 1934) [1933] [Bolivia]	[Coscarón & Coscarón-Arias, 2007 treat <i>muiscorum</i> as valid sp.]
<i>strigatum</i> (Enderlein, 1934) [1933] [Peru (Cuzco)]	
<i>muiscorum</i> Bueno, Moncada & Muñoz de Hoyos, 1979 [Colombia]	
<i>chalcocomense</i> : incorrect subsequent spelling	
<i>equadoriensis</i> , <i>aequatoriense</i> : incorrect subsequent spellings	
<i>latitarsus</i> : incorrect subsequent spelling	
wygodzinskyorum Coscarón & Py-Daniel, 1989	Peru (Junín); Ecuador

Subgenus WALLACELLUM Takaoka

WALLACELLUM Takaoka, 1983 (as subgenus of *Simulium*). Type species: *carinatum* (original designation)

alfurensis Takaoka, 2003	Indonesia (Maluku, Irian Jaya)
cabrerai Takaoka, 1983	Philippines (Luzon)
carinatum Delfinado, 1969	Philippines (Luzon, Negros)
<i>carinatum</i> : incorrect subsequent spelling	
celebesensis Takaoka, 2003	Indonesia (Sulawesi)

claveriaense Takaoka, 2006	Philippines (Luzon)
makilingense Takaoka, 1983	Philippines (Luzon)
molawinense Takaoka, 2006	Philippines (Luzon)
ogonukii Takaoka, 1983	Philippines (Mindanao)
recurvum Takaoka, 1983	Philippines (Luzon, Negros)
resimum Takaoka, 1983	Philippines (Mindanao)
spinosibranchium Takaoka, 1983	Philippines (Luzon)
suyoense Takaoka, 2006	Philippines (Luzon, Mindoro)
tuyense Takaoka, 1983	Philippines (Luzon, Mindoro, Palawan, Samar)
yonakuniense Takaoka, 1972	Japan (Nansei Islands); Taiwan

Subgenus WILHELMIA Enderlein

WILHELMIA Enderlein, 1921 (as genus). Type species: *lineatum* (original designation)

BUETTIKERI species-group

buettikeri Crosskey & Roberts, 1994 [<i>in</i> Crosskey, Büttiker & Roberts]*	Oman; United Arab Emirates (Dubai), Afghanistan (?)
‘sp. n.’ Crosskey & Büttiker, 1988 (<i>Simulium</i> (<i>Wilhelmia</i>))	

EQUINUM species-group*

angustifurca (Rubtsov, 1956)	Russia (Caucasus); Bulgaria, China (IM), Ukraine
<i>angustifurca</i> : incorrect subsequent spelling	
balcanicum (Enderlein, 1924)	Bulgaria; Austria, Belarus, Bosnia, Germany, Greece, Hungary, Italy, Macedonia, Poland, Romania, Russia (SR), Serbia, Slovakia, Slovenia, Turkey, Ukraine
<i>secundum</i> (Baranov, 1926) (<i>stylatum</i> form) [Macedonia]	
<i>danubiense</i> Zivkovitch, 1955 (ssp.) [Serbia & Macedonia]	
<i>severinense</i> (Dinulescu, 1966) [Romania]	(Crimea), Lithuania (?). [Specific status doubtful, ? =
<i>balcaniaca</i> : incorrect subsequent spelling	<i>lineatum</i>]
bravermani Beaucournu-Saguez, 1986	Israel
dahestanicum (Rubtsov, 1962)	Russia (Dagestan); Iraq, ‘Transcaucasus’
dunhuangense Liu & An, 2004	China (Gansu)
equinum (Linnaeus, 1758)	‘Nordlandiae’ [Scandinavia]; Armenia, Austria, Belarus, Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, China (Sg, Xi), Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy (incl. Sardinia), Latvia, Liechtenstein, Lithuania, Macedonia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, FE, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine. [‘Libya’, ‘Cyprus’ errors]
<i>atrum</i> (Linnaeus, 1746, <i>ater</i>) (no status, pre-1758 name)	
<i>marginatum</i> Meigen, 1818 [Austria]	
<i>cinereum</i> Macquart, 1834 [France]	
<i>pubescens</i> Macquart, 1834 [no locality, France presumed]	
<i>canum</i> Meigen, 1838 [Germany]	
<i>aurescens</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>dahlgrueni</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>dahlgrueni</i> (Enderlein, 1921 [June]) (available) [Italy (Sardinia)]	
<i>orichalcea</i> (Enderlein, 1922) [Britain (England)]	
<i>annulitibia</i> (Enderlein, 1922) [Germany]	
<i>begbunaticum</i> Baranov, 1924 [Serbia]	
<i>varicolor</i> Séguy, 1925 [France]	
<i>primum</i> (Baranov, 1926) (<i>equinum</i> form) [Serbia]	
<i>secundum</i> (Baranov, 1926) (<i>equinum</i> form, preocc.) [Serbia and/or Macedonia]	
<i>tertium</i> (Baranov, 1926) [Serbia and/or Macedonia]	
<i>brunettii</i> (Enderlein, 1934) [Britain (Wales), ‘Indien’ error]	
<i>bianchii</i> Rubtsov, 1940 [Siberia]	
<i>ivashentzovi</i> Rubtsov, 1940 [Russia (Novgorodskaya)]	
<i>avetjanae</i> (Rubtsov & Terteryan, 1952) [Armenia]	
<i>zetlandense</i> Davies, 1966 [Britain (Shetland Islands)]	
<i>sangrense</i> (Rivosecchi, 1967) [Italy]	
<i>andreei</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	
<i>annulipes</i> : incorrect subsequent spelling (lapsus for <i>annulitibia</i>)	

<i>begbungricum</i> : incorrect subsequent spelling	
<i>brunetti</i> : incorrect subsequent spelling	
<i>cineum</i> : incorrect subsequent spelling	
<i>eguinum</i> : incorrect subsequent spelling	
<i>ivachentzove</i> : incorrect subsequent spelling	
<i>squinum</i> : incorrect subsequent spelling (lapsus for <i>equinum</i>)	
germuense Liu, Gong, Zhang, Luo & An, 2003	China (Qinghai)
golani Beaucournu-Saguez & Braverman, 1977 [1976] [<i>in</i>	Syria (Golan)
Beaucournu-Saguez, Braverman & Tsafirir]	
lama Rubtsov, 1940	China (Xinjiang); Mongolia
lineatum (Meigen, 1804)	Germany; Afghanistan, Armenia, Austria, Azerbaijan,
<i>falcula</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	Belarus, Belgium, Bosnia, Britain (En, Wa), Bulgaria,
<i>falcula</i> (Enderlein, 1921 [June]) (ssp.) [Germany]	China (Be, IM, Xi), Czech Republic, Denmark,
<i>salopiense</i> Edwards, 1927 [Britain (England)]	France (incl. Corsica), Hungary, Iran, Iraq, Ireland,
<i>turgaicum</i> Rubtsov, 1940 [Kazakhstan]	Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyzstan,
<i>nigrifacies</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	Latvia, Lebanon, Lithuania, Netherlands, Pakistan,
<i>liliae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	Poland, Portugal, Romania, Russia (CR, SR), Serbia,
<i>jalcula</i> : incorrect original spelling (<i>falcula</i> misprint)	Slovakia, Slovenia, Spain, Sweden, Switzerland,
<i>salopionis</i> , <i>solopiensis</i> : incorrect subsequent spellings	Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.
	[‘Azores’ error]
paraequinum Puri, 1933	Pakistan; Armenia, Azerbaijan, Bulgaria, Greece (incl.
<i>transcausicum</i> (Rubtsov, 1956) [Armenia]	Lésbos), Hungary, Iran, Iraq, Israel, Italy, Jordan,
<i>paraeguinum</i> : incorrect subsequent spelling	Lebanon, Romania, Serbia, Turkey, Ukraine (Crimea)
[<i>lineata</i> : Rubtsov, 1956, 1962, not Meigen]	
[<i>stylata</i> : Rivosecchi, 1978, not Baranov]	
pekingense Sun, 1999	China (Beijing)
<i>pakingense</i> : incorrect subsequent spelling	
pindiense Khatoun & Hasan, 1995	Pakistan
pseudequinum Séguy, 1921	Canary Islands (Gran Canaria, Gomera, Tenerife);
<i>canariense</i> Séguy, 1921 [Canary Islands (Gran Canaria)]	Algeria, Armenia, Austria, Azerbaijan, Bosnia,
<i>brnizense</i> Baranov, 1924 [Serbia]	Britain (En), China (Sx, Xi), Cyprus, France, Greece
<i>mediterraneum</i> Puri, 1925 [Algeria]	(incl. Andros, Chíos, Crete, Ikaría, Lésbos, Náxos,
<i>stylatum</i> (Baranov, 1926) [Macedonia]	Rhodes), Georgia, India (Kashmir, Pu), Iran, Iraq,
<i>primum</i> (Baranov, 1926) (<i>stylatum</i> form, preocc.) [Macedonia]	Israel, Italy (incl. Sardinia, Sicily), Jordan, Kazakhstan,
<i>quartum</i> (Baranov, 1926) [Serbia]	Kyrgyzstan, Lebanon, Libya, Macedonia, Morocco,
<i>barbaricum</i> Séguy, 1930 [Morocco]	Pakistan, Portugal, Romania, Russia (Caucasus), Serbia,
<i>cinereifacies</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	Slovakia, Slovenia, Spain, Tajikistan, Tunisia, Turkey,
<i>sulfuricola</i> (Rivosecchi, 1972) [Italy]	Turkmenistan, Ukraine (incl. Crimea), Uzbekistan,
<i>fluminicola</i> (Rivosecchi, 1972) [Italy]	Czech Republic (?)
<i>brizence</i> , <i>brizensis</i> , <i>bruzigense</i> : incorrect subsequent spellings	
<i>maditerranea</i> , <i>mideteranea</i> : incorrect subsequent spellings	
<i>pseudoequinum</i> : incorrect subsequent spelling	
<i>sulphuricolum</i> : incorrect subsequent spelling	
[<i>guimari</i> : Rubtsov, 1956, 1962, not Becker]	
[? <i>lineata</i> : Knoz, 1963, not Meigen]	
[<i>tertia</i> : Rubtsov & Yankovsky, 1988, not Baranov]	
qinghaiense Liu, Gong, Zhang, Luo & An, 2003	China (Qinghai)
qingxilengense Cai & An, 2005	China (Hebei)
quadrifila Grenier, Faure & Laurent, 1957	Morocco; Spain
sergenti Edwards, 1923	Algeria; Morocco, Portugal, Spain, Tunisia
<i>ariasi</i> Séguy, 1925 [Spain]	
<i>tachengense</i> Mahe, An & Yan, 1997 (junior primary homonym	
of <i>tachengense</i> An & Mahe, 1994, but no	
available subst. name)	China (Xinjiang)
takahasii (Rubtsov, 1962)	Japan (Honshu, Ky, Sh); China (Gu, Sh, Yu), Korea
‘Uma-buyu’ Kani, 1944	(South)
<i>takahashi</i> , <i>takahashii</i> : incorrect subsequent spellings	
[<i>equinum</i> : Shiraki, 1935, not Linnaeus]	
[<i>salopiense</i> : Bentinck, 1955, not Edwards]	

talassicum (Yankovsky, 1984)	Kyrgyzstan
tongbaishanense Chen & Luo, 2006	China (Hubei)
veltistshevi Rubtsov, 1940	Tajikistan; Afghanistan, Azerbaijan, China (IM, Xi), Iran, Kazakhstan, Pakistan, Romania, Turkmenistan, Ukraine (Crimea), Uzbekistan
<i>vewltishevi</i> : incorrect subsequent spelling	
wushiense Mahe, An & Yan, 1997	China (Xinjiang)
<i>weshiense</i> : incorrect subsequent spelling	
xingyiense Chen & Zhang, 1998	China (Guizhou)
<i>ximgyiense</i> : incorrect subsequent spelling	

Subgenus XENOSIMULIUM Crosskey

XENOSIMULIUM Crosskey, 1969 (as subgenus of *Simulium*). Type species: *imerinae* (original designation)

ambositrae Grenier & Grjebine, 1959 [1958]	Madagascar
[<i>neireti</i> : Grenier & Doucet, 1950 (part), not Roubaud]	
griveaudi Ovazza & Ovazza, 1970	Madagascar
imerinae Roubaud, 1905	Madagascar (incl. Nosy Bé Island); Comoro Islands (Mayotte, Mohéli[?])
‘M1’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
iphias De Meillon, 1951	Madagascar
‘8f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
‘10f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
‘15f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
‘19f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
neireti Roubaud, 1905	Madagascar

Simulium sensu lato species unplaced to subgenus

canescens Brème, 1842 [<i>in</i> Kölliker]	Switzerland
chilianum Rondani, 1863	Chile [no locality]
diaznajerai Vargas, 1943 (subst. name)	Mexico [no locality]
<i>tenuifrons</i> (Enderlein, 1936) (preocc.)	
incanum Loew, 1840	Poland
lividum (Schellenberg, 1803)	Switzerland
nigrifemur (Enderlein, 1936)	Chile (Maule)
ochrescentipes Enderlein, 1921	Turkmenistan
<i>ochresentipes</i> : incorrect subsequent spelling	
spinifer Knab, 1914	Peru (‘Verrugas Canyon’, Calca, Cuzco)
<i>limbatum</i> (Enderlein, 1934) [1933] (preocc.) [Peru (Cuzco)]	
<i>angustitarse</i> (Enderlein, 1934) [1933] (preocc.) [Peru (Calca)]	
<i>hoffmanni</i> Vargas, 1943 (subst. name, for <i>angustitarse</i>)	
<i>sicuani</i> Smart, 1944 (subst. name, for <i>limbatum</i>)	
<i>incaicum</i> Vargas, 1945 (unnecessary subst. name, for <i>limbatum</i>)	
‘F’ Lewis, 1963 (<i>Simulium</i> sp.)	Venezuela
‘A’ Lewis, 1964 (<i>Simulium</i> sp.)	Nepal
‘B’ Lewis, 1964 (<i>Simulium</i> sp.)	Nepal
‘Hernan’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan
‘Kolalai’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan
‘Langan’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan
‘Swat’ Lewis, 1973 (<i>Simulium</i> sp.)	Pakistan

Unplaced *nomina nuda* in *Simulium* sensu lato

<i>adamicum</i> Maskey, 1986 [Nepal]
<i>anomalum</i> Eversmann, 1834 [Russia]
<i>anuragum</i> (Maskey, 1986) [Nepal]

friendicum Maskey, 1986 [Nepal]
galea Maskey, 1986 [Nepal]
gardenicum Maskey, 1986 [Nepal]
godavaricum (incl. *godavaricum* ‘sp. 1’) (Maskey, 1986) [Nepal]
gokarnum (Maskey, 1986) [Nepal]
hetaudense Maskey, 1986 [Nepal]
kedarai Maskey, 1986 [Nepal]
laticornis Knoz, 1963 (attrib. Zwolsky) [Czech Republic]
mandirensis Maskey, 1986 [Nepal]
maridienale Hua Li-Zhong, 2006 [China (Hong Kong)]
montium Sun, 1994 (attrib. Xue, 1990) [China]
neogracilis Sun, 1994 (attrib. Duang & Chen, 1993) [China]
panicum Maskey, 1986 [Nepal]
takaocum Maskey, 1986 [Nepal]
ussovai Maskey, 1986 [Nepal]
xiaguanense Sun, 1994 (attrib. Xue, 1990) [China]

Genus STEGOPTERNA Enderlein

STEGOPTERNA Enderlein, 1930 (as genus). Type species: *trigonium*, as *richteri* (original designation)

acra Currie, Adler & Wood, 2004 [<i>in Adler, Currie & Wood</i>]	USA (Arizona, Cal, Col, Nev, Utah, Wyo)
‘W’ Madahar, 1969 (<i>Cnephia cytoform</i>)	
[<i>mutata</i> : authors (western USA), not Malloch]	
asema Rubtsov, 1956	Siberia (Maritime FE)
[<i>sibirica</i> : Rubtsov, 1940, not Enderlein]	
byrrangii Yankovsky, 2000	Siberia (Taymyrsky ES)
decafilis Rubtsov, 1971	Siberia (Yakutskaya ES, FE); Canada (NWT, Yukon),
<i>hamuligera</i> Yankovsky, 1977 [Siberia (Amurskaya)]*	USA (Alaska)
‘undescribed species’ Corkum & Currie, 1987	
diplomutata Currie & Hunter, 2003	Canada (Ontario, NS, PEI, Que incl. Magdalen Islands);
‘2n’ Basrur, 1957 (thesis) (<i>mutata</i> cytoform)	USA (Ala, Ark, Geo, Ill, Ind, Mar, Mas, Misp, NC,
‘diploid’ Basrur & Rothfels, 1959 (<i>mutata</i> cytoform)	NH, NJ, NY, Ohio, Pen, SC, Ten, Vir, Wis, WV)
[<i>mutata</i> : authors, not Malloch]	
duodecimata (Rubtsov, 1940)	Siberia (Irkutskaya ES, FE, WS); Norway
<i>duodecimata</i> (Rubtsov, 1936, 1937, 1939) (unav., <i>nomen nudum</i>)	
<i>duodedecimata</i> (Rubtsov, 1939) (unav., <i>nomen nudum</i>)	
emergens (Stone, 1952)	USA (Alaska, Mic, Wis); Canada (Alb, BC, Lab, Man,
<i>tschukotensis</i> Rubtsov, 1971 [Siberia (Tshukotka)]	Nun incl. Baffin and Southampton Islands, NWT incl.
‘#2’ Anderson & Dicke, 1960 (<i>Cnephia</i> sp.)	Victoria Island, Ont, Sask), Siberia (FE)
[<i>mutata</i> : authors (western Canada), not Malloch]	[Yankovsky, 2008 treats <i>tschukotensis</i> as valid sp.]
longicoxa Rubtsov, 1971*	Siberia (Krasnoyarsk ES)
mutata (Malloch, 1914)	USA (New Jersey, Ark, Del, Geo, Iowa, Kan, Ken, Lou,
‘undescribed’ Strickland, 1911 (<i>Simulium</i> sp.)	Maine, Mar, Mas, Mic, NC, NH, NY, Ohio, Pen, SC,
‘No. 2’ Ritcher, 1931 (<i>Simulium</i> sp.)	Ten, Vir, Wis, WV); Canada (Lab, NB, Nfld, Ont, PEI,
‘A’ Johansen, 1934 (<i>Simulium</i> sp.)	Que incl. Magdalen Islands). [‘Japan’ error]
‘3n’ Basrur, 1957 (thesis) (cytoform)	
‘triploid’ Basrur & Rothfels, 1959 (cytoform)	
nukabirana Ono, 1977	Japan (Hokkaido)
permutata (Dyar & Shannon, 1927)	Canada (British Columbia incl. Queen Charlotte
‘X’ Madahar, 1969 (<i>Cnephia cytoform</i>)	Islands); USA (Cal, Was)
<i>premutata</i> : incorrect subsequent spelling	
takeshii Takaoka, 2005	Japan (Honshu)
trigonium (Lundström, 1911) (complex)	Finland; Belarus, Canada (Nun, NWT), Denmark, Japan
<i>freyi</i> (Enderlein, 1929) [Russia (Murmansk)]	(Hon), Latvia, Norway, Russia (CR, KM, NR), Siberia
<i>richteri</i> Enderlein, 1930 [Russia (Murmansk)]	(WS), Sweden, USA (Alaska), Netherlands (?).
<i>majalis</i> Rubtsov & Carlsson, 1965 [Russia (St. Petersburg)]	[‘Romania’ error]
<i>dentata</i> Rubtsov & Carlsson, 1965 [Russia (Sverdlovskaya)]	[Yankovsky, 2003 [2002] treats <i>majalis</i> , <i>dentata</i> , and

<i>haematophaga</i> Rubtsov & Carlsson, 1965 [Russia (Permskaya)]	<i>haematophaga</i> as valid spp.]
‘1’ Adler, Malmqvist & Zhang, 1998 (cytoform)	Sweden
‘2a’ Adler, Malmqvist & Zhang, 1998 (cytoform)	Finland, Sweden
‘2b’ Adler, Malmqvist & Zhang, 1998 (cytoform)	Sweden
<i>richerti</i> : incorrect subsequent spelling	
<i>trigonum</i> : incorrect subsequent spelling	
[<i>mutata</i> : Japanese authors, not Malloch]	
xantha Currie, Adler & Wood, 2004 [<i>in</i> Adler, Currie & Wood]	Canada (British Columbia: Vancouver Island and mainland); USA (Cal, Mon, Ore)
‘O’ Madahar, 1969 (<i>Cnephia</i> cytoform)	
‘Y’ Madahar, 1969 (<i>Cnephia</i> cytoform)	

Genus SULCICNEPHIA Rubtsov

SULCICNEPHIA Rubtsov, 1971 (as genus). Type species: *ovtshinnikovi* (original designation)

alichurensis (Rubtsov, 1967)	Tajikistan
argylacea (Rubtsov, 1947)	Tajikistan; Kazakhstan
derzhavini (Rubtsov, 1940)	Siberia (Kamchatka FE)
<i>derzharini</i> : incorrect subsequent spelling	
filidistans (Rubtsov, 1947)	Tajikistan; Uzbekistan
<i>sulcata</i> (Rubtsov, 1956) [Tajikistan]	
flavipes (Chen, 1984)	China (Inner Mongolia)
<i>flavopes</i> : incorrect subsequent spelling	
galinae Yankovsky, 1989	Mongolia
jankovskiae (Rubtsov, 1956)	Kyrgyzstan
jeholensis (Takahasi, 1942)	China (Hebei)
jingpengensis (Chen, 1984)	China (Inner Mongolia)
lobashovi Rubtsov, 1976	Tajikistan
octodecimfiliata (Rubtsov & Violovich, 1965)	Siberia (Tuva WS)
ovtshinnikovi (Rubtsov, 1940)	Kazakhstan; Kyrgyzstan, Mongolia, Siberia (WS), Tajikistan, Uzbekistan
<i>undecimfilum</i> (Rubtsov, 1947, as <i>11-filum</i>) (unav., <i>nomen nudum</i>)	
<i>ovtchinnikovi</i> , <i>ovtshinnicovi</i> : incorrect subsequent spellings	
pandjensis (Rubtsov, 1967)	Tajikistan
petrovae Rubtsov, 1976	Tajikistan
<i>petrovi</i> Petrova, 1973 (unav., <i>nomen nudum</i>)	
<i>petrovi</i> Petrova, 1974 (available, incorrect spelling)	
stegostyla (Rubtsov, 1961)	Kazakhstan; Kyrgyzstan, Siberia (Tuva WS)
<i>stegostila</i> : incorrect subsequent spelling	
syrdarjensis Rubtsov, 1978	Kazakhstan
<i>syardariensis</i> : incorrect subsequent spelling	
tungus (Rubtsov, 1956)	Siberia (Krasnoyarsk ES, Irkutskaya ES); Mongolia
<i>tungussica</i> (Berzina, 1957) (unav., <i>nomen nudum</i>)	
undecimata (Rubtsov, 1951)	Kazakhstan [neotype]; China (Xi), Kyrgyzstan, Turkmenistan, Uzbekistan (?)
[<i>subgriseum</i> : Rubtsov, 1940 (part)]	
viculinae Yankovsky, 1989	Kyrgyzstan
vitalii (Rubtsov, 1967)	Tajikistan
znoikoi (Rubtsov, 1940)	Azerbaijan (Nakhichevan); Armenia, Iran, Turkey
<i>znoicoi</i> , <i>znojko</i> : incorrect subsequent spellings	

Genus TLALOCOMYIA Wygodzinsky & Díaz Nájera

TLALOCOMYIA Wygodzinsky & Díaz Nájera, 1970 (as genus). Type species: *revelata* (original designation)

STEWARTELLA Coleman, 1951 (thesis) (unav., *nomen nudum*)

MAYACNEPHIA Wygodzinsky & Coscarón, 1973 (as genus). Type species: *pachecolunai* (original designation)

ANDERSONI species-group

andersoni Currie, Adler & Wood, 2004 [*in* Adler, Currie & Wood] USA (Oregon, Cal)

OSBORNI species-group

osborni (Stains & Knowlton, 1943) USA (California, Ari, Ore)

‘nr. *osborni*’ Moulton, 1997 (thesis) (*Mayacnephia*)

ramifera Currie, Adler & Wood, 2004 [*in* Adler, Currie & Wood] Canada (British Columbia, Alb, Yukon); USA (Idaho,

‘G’ Hocking, 1950 (*Cnephia*) Ore, Was)

‘n. sp. near *stewarti*’ Madahar, 1967 (thesis) (*Cnephia*)

‘X’ Currie, 1986 / Ramírez-Pérez *et al.*, 1988 (*Mayacnephia* sp.)

stewarti (Coleman, 1953) USA (California)

PACHECOLUNAI species-group

aguirrei (Dalmat, 1949) Guatemala; Mexico (Ch)

alticola (Dyar & Shannon, 1927) Mexico (Chihuahua)

atzompensis (Díaz Nájera, 1962) Mexico (Morelos)

atzompensis, *atzopensis*: incorrect subsequent spellings

fortunensis (Petersen, 1984) [*in* Petersen & Mendez] Panama

‘A’ Petersen, Adames & De León, 1983 (*Mayacnephia* sp.)

grenieri (Vargas & Díaz Nájera, 1948) Mexico (Veracruz)

mixensis (Díaz Nájera, 1962) Mexico (Oaxaca)

muzquicensis (Díaz Nájera, 1971) Mexico (Coahuila)

pachecolunai (De León, 1945) Guatemala; Mexico (Chiapas)

‘B’ De León, 1943 (*Simulium* sp.)

revelata Wygodzinsky & Díaz Nájera, 1970 Mexico (Federal District)

roblesi (De León, 1943) Guatemala

salasi (Ramírez-Pérez, Peterson & Vargas, 1988) Costa Rica

tadai (Ochoa & Takaoka, 1993) Guatemala

UNPLACED FOSSIL GENERA

[Genus *CRETACEOSIMULIUM* Vulcano]

[*CRETACEOSIMULIUM* Vulcano, 1985 (unav., *nomen nudum*)]

[*araripense* Vulcano, 1985 (unav., *nomen nudum*)]

[Genus *SIMULIITES* Kalugina]

[*SIMULIITES* Kalugina, 1986 [*in* Rasnitsyn] (as genus). Type species: *brevirostris* (monotypy)]

[*brevirostris* Kalugina, 1986 [*in* Rasnitsyn]] [Mongolia: Upper Mesozoic]

NOTES FOR INVENTORY

Notes for the current (2009) inventory entries marked with a double asterisk (**)

arcticum. Under the name *arcticum*, we accommodate the numerous cytoforms that have been discovered in the *S. arcticum* complex, some of which are probably legitimate species. The IIL-3 cytoform represents true *S. arcticum* (Adler *et al.*, 2004, *The Black Flies (Simuliidae) of North America*: 397) and might be the only vernacular name that legitimately pertains to *S. arcticum* sensu stricto.

galeratum. The status of the name *galeratum* has long been controversial, but in recent times it usually has been treated as synonymous with *reptans*. However, a combined molecular and morphological study of *reptans* sensu lato in England by Day, Goodall & Post (2008, *Medical and Veterinary Entomology* 22: 55-61) showed the presence of two species, to one of which the name *galeratum* applies. For present purposes, we accept *galeratum*, but note that it remains uncertain whether populations from continental Europe, which have been called *galeratum* in the past, are conspecific with those in Britain.

Summary of new combinations and new synonyms for 2008

Helodon laamii (Beaucournu-Saguez & Bailly-Choumara, 1981) **Comb. n.**

Simulium (Inaequalium) lundii (Py-Daniel & Barbosa, 2007) **Comb. n.**

Simulium (Montisimulium) onum (Bodrova, 1988) [*in* Bodrova & Luk'yanchuk] **Comb. n.**

Simulium (Nevermannia) itelmenica (Chubareva & Yankovsky, 2006) **Comb. n.**

Simulium (Simulium) tshuni (Yankovsky, 2006) **Comb. n.**

Metacnephia lyra (Lundström, 1911)

trigoniformis Yankovsky, 2003 [2002] **Syn. n.***

Simulium inaequale (Paterson & Shannon, 1927)

hauseri Strieder, 1998 (thesis) (unav., *nomen nudum*) **Syn. n.**

hauseri Coscarón & Coscarón-Arias, 2007 (unav., *nomen nudum*) **Syn. n.**

Stegopterna decafilis Rubtsov, 1971

hamuligera Yankovsky, 1977 **Syn. n.***

Notes for the previous (2008) inventory entries marked with an asterisk (*)

The following list of annotations follows the format of the 2004 web-based Inventory version. Entries in the following list refer to names marked with an asterisk (*) in the current Inventory. Names are listed alphabetically and shown in italics (except for vernaculars) regardless of rank or nomenclatural status. Titles of articles are omitted, and literature citations are restricted to the journal reference or book title. Describers' names are omitted because they are evident from the inventory text. *Code* refers to the *International Code of Zoological Nomenclature* (4th edition, 1999).

amazonicum species-group. We follow Shelley *et al.* (2006, *Zootaxa* 1274: 1-68) in their interpretation of the *amazonicum* species-group.

angustipes. We add a new country record for this species, based on our chromosomal analysis of larvae from Mongolia: Gorkhit River, Gorkhi Terelj National Park, 47°53.23'N 107°26.19'E, 21 July 2004. Larvae are, however, chromosomally unique in having differentiated sex chromosomes.

antillarum. Coscarón & Coscarón-Arias (2007, *Neotropical Simuliidae (Diptera: Insecta)*: 418) list *antillarum* as a valid species, with *pseudoantillarum* as a synonym; we follow the rationale of Shelley *et al.* (2000, *Bulletin of the British Museum (Natural History) (Entomology)* 69 (2): 171-221) in recognizing both names as synonyms of *ochraceum*, although once formal names are assigned to the various sibling species in the *ochraceum* complex, these names might again be applied to distinct species.

annuliforme. The holotype female of *S. annuliforme* is similar to females of the *S. baffinense* species-group and might be conspecific with one of the group's included species. We, therefore, move *S. annuliforme* from the *S. annulus* species-group to the *S. baffinense* species-group. The male that Rubtsov (1962, *Die Fliegen der palaearktischen Region (III)* 14: 277-278) initially and in subsequent works associated with the female of *S. annuliforme* corresponds in every respect with that of *S. annulus* and is here treated as a misidentification under that species.

bezzii. Our chromosomal analysis indicates that *S. bezzii* in Armenia is a complex of at least two reproductively isolated species; some of the synonyms currently listed under *S. bezzii* might apply to one or more of these cytoforms.

buettikeri. We have two females, clearly members of the *buettikeri* species-group, that were collected from cattle (*Bos indicus*) in Afghanistan: Bahkian, Parwan Province, 35°58'27"N 69°22'57"E, 11 June 2003. Both females have the characteristic tuft of macrotrichia posterior to the metathoracic spiracle and a complete lack of a calcipala. Although we tentatively place these specimens under *S. buettikeri*, they probably represent a separate species, differing from *S. buettikeri* by having a frons only slightly wider than the antenna and brown femora.

canadense species-group. Some authors (e.g., Coscarón & Coscarón-Arias, 2007, *Neotropical Simuliidae (Diptera: Insecta)*: 561-562) recognize the *canadense* species-group as subgenus *Hearlea*, with two species groups (i.e., *carolinae* and *juarezi* species-groups). Adler *et al.* (2004, *The black flies (Simuliidae) of North America*: 369) argued for the recognition of a simplified classification with greater information content and emphasis on similarities among the various species-groups of subgenus *Hemicnetha* as recognized here.

cryophilum. The *cryophilum* complex consists of at least two reproductively isolated species, cytoforms 'A' and 'B2', that overlap widely in geographic distribution. New records for cytoform 'A' include Austria, near Seekirchen Fischbach, 29 March 2000; and Switzerland, Ascona, 26 March 2001.

'near *dandrettai*'. Coscarón & Coscarón-Arias (2007, *Neotropical Simuliidae (Diptera: Insecta)*: 454) suggested that pupal differences between *dandrettai* and 'near *dandrettai*', albeit slight, might indicate the existence of two species.

equinum species-group. We combined the previously recognized *lineatum* species-group with the *equinum* species-group, the morphological distinction between the two groups being small.

fulcalutum. Vulcano (1967, *A Catalogue of the Diptera of the Americas South of the United States* **16**: 11) correctly showed that "Bora" in Enderlein's (1929, *Deutsche Entomologische Zeitschrift* **1929**: 327-328) original statement of the type locality ("Bora del Monte") is a mistake for Boca and that Boca del Monte is in Veracruz State.

fulvinotum. The intended original description of this species was published by Cerqueira & Nunes de Mello (*in* Cerqueira, 1968, *Amazoniana* **1**: 205-210). The name, however, is available from the previously published work of Cerqueira (1967, *Atas do Simpósio sobre a Biota Amazônica* **5** (Zoologia): 127-139).

Gomphostilbia. We follow Takaoka (2003, *The Black Flies (Diptera: Simuliidae) of Sulawesi, Maluku and Irian Jaya*: 50-56) in his revised interpretation of the limits and species-groups of the subgenus *Gomphostilbia*. Accordingly, we do not recognize the *altayense* species-group, which was established by An and Chen (2007, *Acta Parasitologica et Medica Entomologica Sinica* **14**: 111) on the basis of a weakly developed calcipala in two species (*S. altayense* and *S. meadowi*).

hamuligera. The original description and illustrations of *hamuligera* conform in every respect to those of *decafilis*, most notably regarding the pupal gill of 10 filaments and the untoothed mouthparts of the female. In addition, the chromosomes of larvae that we examined from Khabarovsk Territory (Solnechnyi District, branch of Amgun' River, unnamed stream south of Sonah River Basin, 51°26.822'N 135°15.320'E, 29 July 2006), the general area of the type locality of *hamuligera*, have the same banding pattern as those of *St. decafilis* from Alaska, the Northwest Territories (Adler *et al.*, 2004, *The Black Flies (Simuliidae) of North America*: 285), and Anadyr, Russia (unpublished). We examined the slidemount of the holotype female and its associated exuviae, as well as other slidemounts of *hamuligera*, in the collection of the Zoological Institute, St. Petersburg. All slides, however, are in poor condition, with deterioration of the mounting medium, and no details can be gleaned reliably from the preparations in their current condition. With no evidence to the contrary, we synonymize *hamuligera* with *decafilis*.

Hebridosimulium. We follow Craig *et al.* (2006, *Zootaxa* **1380**: 1-90) in recognizing their species-groups of *Hebridosimulium*.

Helodon (Helodon). Several species, previously placed in *Helodon* (as genus or subgenus) by various workers, properly belong in the genus *Prosimulium* based on adult characters such as the elongate hypogynial valves of the female and pronounced lip of the ventral plate of the male (e.g., *albense*, *apoina*, *arshanense*, *sarurense*, *yezoense*). Other species (*candicans*, *intercalare*, *pamiricum*, *pecticrassum*), at times placed in *Helodon*, belong in the *Prosimulium macropyga* species-group, based on chromosomal characters. Still other species, (*oligoaristatum*), although known only from larvae, are better placed in *Prosimulium* because of their resemblance to species of that genus with known chromosomes or adults. The placement of a few species remains problematic because of incomplete descriptions and lack of associated life stages. One such species is *unispinum*, here placed in the genus *Prosimulium* on the basis of an apparently narrow ventral plate with a pronounced lip; it is tentatively assigned to the *hirtipes* species-group. Another is *mesenevi*, here tentatively recognized in *Helodon*, on the basis of its resemblance, perhaps superficially, to *H. irkutensis* in the larval stage. On the other hand, we place *laamii*, which typically has been in the genus *Prosimulium*, in *Helodon (Helodon)*, based on a number of diagnostic characters such as the short, rounded hypogynial valves of the female. Its southern distribution, however, is

anomalous vis à vis the typical northern Holarctic distribution of other members of the subgenus *Helodon*.

hieroglyphicum. We add a new country record, based on three pupae collected in Panama: Chiriqui, Cerro Punta, 8°53'N 82°36'W, 23 June 1999.

'indet.' This apparently undescribed species was placed by Belqat *et al.* (2001, *British Simuliid Group Bulletin* **17**: 12) in the *venustum* species-group on the basis of the IIS-C chromosomal sequence. It, however, has the fundamental IIIIL sequence found in the *bezzii*, *ornatum*, and *noelleri* species-groups, as well as in all cytologically examined members of the chromosomally ill-defined *variegatum* species-group (Adler, unpublished). Larvae have a negative head-spot pattern and a postgenal cleft intermediate between that of the *venustum* and *variegatum* species-groups. Pupae have six filaments and a slipper-shaped cocoon. Correct placement of this species must await discovery of the adults.

Inseliellum. We follow Craig & Joy (2000, *Annals of the Entomological Society of America* **93**: 1237) in recognizing their species-groups in the subgenus *Inseliellum*.

kariyai. This species, known only from a superficial description of the male, previously had been placed in the subgenus *Boreosimulium*. The following characters, however, suggest that the species is a member of the subgenus *Simulium*, as suggested by Adler *et al.* (2004, *The Black Flies (Simuliidae) of North America*: 314): base of radius bare, scutum patterned, and legs banded. Accordingly, we place *kariyai* in the subgenus *Simulium* and, based on the putative similarity to *S. quinquestriatum* (Takahasi, 1940, *Insecta Matsumurana* **15**: 65), in the *striatum* species-group.

kirjanovae. In a band-by-band comparison of the chromosomes of *M. saileri* (as *pallipes*) from Murmansk and *M. kirjanovae* from the type locality, Petrova (1979, *Ecological and Morphological Principles of Diptera Systematics (Insecta) [Ekologicheskie i Morfologicheskie Osnovy Systematiki Dvukrylykh Nasekomykh]*: 79-81) indicated that the banding sequences were the same, and that the main morphological feature distinguishing *kirjanovae* and *saileri* was the pupal branching pattern. She concluded that "we are dealing with a single species," but hesitated to synonymize *kirjanovae*. Not having seen material of *M. kirjanovae*, we prefer not to commit the name to synonymy at this time.

longicoxa. Of the four subspecies described under the name *richteri*, only *longicoxa* has weakly developed female mouthparts. We, therefore, recognize *longicoxa* separately from *St. richteri* sensu stricto, whose females have fully toothed maxillae and mandibles, although we note that *longicoxa*, nonetheless, might be synonymous with one of the non-bloodfeeding species of *Stegopterna* (e.g., *decafilis*, *emergens*).

longipile. The authorship and date of *longipile* should be Radzivilovskaya (1948), not Rubtsov (1956), as explained by Adler *et al.* (2004, *The Black Flies (Simuliidae) of North America*: 339).

lundi. This species was placed, "temporarily" and with little justification, in the *maranguapense* species-group (*Acta Amazonica* **37**: 465). Because substantive characters to justify a new species group are lacking and because the subgenus *Inaequalium* is small and already includes two species groups, we place this species in the *inaequale* species-group.

manense. Country records include some based on current study of the subgenus *Freemanellum* by R. W. Crosskey.

Morops. We follow Takaoka (2003, *The Black Flies (Diptera: Simuliidae) of Sulawesi, Maluku and Irian Jaya*: 230-233) in his revised interpretation of the limits of the subgenus *Morops*.

onum. The obscure description of this species appeared in the work of Bodrova & Luk'yanchuk (1988, On the knowledge of the blackfly (Diptera, Simuliidae) fauna of Sakhalin Island, *Fauna, Sistematika i Biologiya Presnovodnykh Bespozvonochnykh*, DVO AN SSSR, Vladivostok: 21, 27). Proposed as a 'nom. nov.', the name actually applies to a new species that Ono (1977, *Japanese Journal of Sanitary Zoology* **28**: 179-185) misidentified as *sakhalinum* from Hokkaido, Japan. The name, therefore, is not a homonym in need of a substitute name. Bodrova intended the name as an honorific for Ono. Although the name is malformed, under the present *Code* it is merely a case of 'incorrect latinization', coming within the meaning of the wording of the second sentence of Article 32.5.1. The name *onoii*, authored by Yankovsky (1996) and later by Sato & Takaoka (2004), therefore, is not homonymous.

oviedoi. Coscarón & Coscarón-Arias (2007, *Neotropical Simuliidae (Diptera: Insecta)*: 556-557) consider *oviedoi* and *rivasi* as members of the *oviedoi* species-group in subgenus *Hemicnetha*.

Pedrowygomysia. This genus probably should be synonymized with *Gigantodax* from which it was cleaved off by Coscarón & Miranda-Esquível (1998, *Entomologica Scandinavica* **29**: 161-167) and from which it differs only in minute structural

characters. We hesitate, however, to do so formally until a thorough cladistic reanalysis is completed.

Prosimulium. See note above for *Helodon*.

rivasi. Same situation as for *oviedoii*; see above.

trigoniformis. This name was authored by Yankovsky (2003, *Opredelitel' Moshek (Diptera: Simuliidae) Rossii i Sopredel'nykh Territorii (Byvshego CCCR)*: 9, 213, 218, 223) as a “*nom. n.*” for *trigonia* sensu Rubtsov, 1956, and appears in his checklist and keys to species. The name, however, was intended for a new species, which had been misidentified as *trigonia* by Rubtsov (1956). No type was designated, and the name, therefore, is unavailable under Code Article 16.4.1. Further, we can find no compelling differences between *Metacnephia lyra* and *Cnephia trigonia* sensu Rubtsov, 1956. The name *trigoniformis*, therefore, falls as a synonym of *lyra*.

tsheburovae. The slender, tapered gonostylus and numerous parameral spines in the male genitalia of *S. tsheburovae* suggest a relationship with members of the subgenus *Hellichiella* (Adler *et al.*, 2004, *The Black Flies (Simuliidae) of North America*: 314); consequently, we move this species from the *S. annulus* species-group of *Boreosimulium* and place it in the subgenus *Hellichiella* (*congareenarum* species-group).

tuberosum. The name *tuberosum* has been applied over a large geographic area, and many of the European records refer to other species. As currently recognized, *Simulium tuberosum* is a Nearctic and northern Palearctic species. In North America, it consists of two cytoforms, ‘A’ and ‘AB’, possibly representing separate species. Their geographic distributions are given by Adler *et al.* (2004, *The Black Flies (Simuliidae) of North America*: 834, 835).

vega. We find no compelling structural differences that distinguish *vega* from *himalayense* and, therefore, suggest synonymy. This hypothesis could be confirmed by examination of the respective types, preferably with chromosomal or molecular study of topotypical material. We do, however, agree that ‘sp. A’ and ‘sp. B’ as described by Maskey (1998, *Journal of Natural History Museum* **17**: 10-13, 19-21) represent species distinct from *vega* and, therefore, place them near the end of the *variegatum* group, although they, too, might represent synonyms of previously described species.

vernum. *Simulium vernum* is a widespread complex consisting of an unknown number of sibling species. The ‘Hornvik’ cytoform is a distinct species on the basis of chromosomes (Brockhouse, 1991, Ph.D. thesis, University of Toronto: 55-58) and hard-parts morphology (Peterson, 1977, *Canadian Entomologist* **109**: 461-472; as *S. vernum*).